

1. Introduction

This document supplements the paper, ‘**Improving the gene-structure annotation of the Apicomplexan parasite *Neospora caninum* fulfils a vital requirement towards an *in silico* derived vaccine**’. RNA-Seq exons were compared to exons in the current *N. caninum* annotation. Figure 7 in the paper shows how the exons were compared. The following contains the comparison for every annotated gene on a chromosome per chromosome basis (forward and reverse strand genes are listed separately).

Each gene contains a header line containing the ID, strand source (+ = forward, – = reverse), number of exons, and the ATG context of the start codon; followed by each exon in the mRNA.

Columns = Start boundary of exon, end boundary of exon, exon length measured in base pairs (bp), match status (see below), flanking sequence (INTERNAL exon = AG-GT or AG-GC) i.e. The AG or GT implies exon is flanked by canonical splice sites.

Match status (see Figure 7 in paper):

EXACT = RNA-Seq exon precisely matches both the start and end boundaries

START = RNA-Seq exon precisely matches the start boundary but not the end boundary (the difference between the end boundaries is specified by a numerical value (a negative value indicates the RNA-Seq end boundary is located before the annotated boundary). The RNA-Seq exon flanking sequence is also shown.

END = RNA-Seq exon precisely matches the end boundary but not the start boundary (the difference between the start boundaries is specified by a numerical value (a negative value indicates the RNA-Seq end boundary is located before the annotated boundary). The RNA-Seq exon flanking sequence is also shown.

OVER = RNA-Seq exon extends beyond both the start and end boundaries.

WITHIN = RNA-Seq exon is totally within the annotated exon

The exons are listed in ascending order along the chromosome. Note that for a reverse strand mRNA the last exon (end boundary) is the start codon and the first exon (start boundary) is the stop codon.

There were three independent RNA-Seq replicates of *N. caninum*. Therefore there can potentially be three separate transcript components from each sample. Perfect case scenario is when all three transcript components (e.g. an internal exon) match exactly the start and end boundaries of the current annotated internal exon. The current annotation does not contain untranslated regions (UTRs). The transcripts assembled from the replicates include UTRs i.e. the start and end components of the transcripts contain start and stop codons trailing or preceding the UTRs respectively (See Figure 2 in paper). The length of the start and stop components from the three replicates ALWAYS vary despite supposedly representing the same exon (reason is unknown)

e.g. The following are transcript components from three different replicates but representing the same START exon (i.e. flanked by GT)

15086,15951,866,GT,acceptor=AC << END same but not start << REPLICATE 1

15027,15951,925,GT,acceptor=GC << END same but not start << REPLICATE 2
 15614,15951,338,GT,acceptor=GC << END same but not start << REPLICATE 3

Start and stop RNA-Seq exons in the annotation comparison are represented as follows:

15453,15951,499,END:Starts:15086-15027-15614-
 22620,22922,303,START:Ends:23123-23182-23181-

Where Starts: or Ends: is the start or end locations of the three replicates.

If there is a difference between either the start or end boundaries of the annotation with respect to the RNA-Seq evidence (in particular for an internal exon) AND all three replicates indicate the same difference, the comparison annotation indicates this with the words “<< Possible error”.

Current *N. caninum* annotation supported by RNA-Seq commences here

CHROMOSOME Ia – FORWARD

ID=NCLIV_000010 + 14 A..ATG
 15453,15951,499,END:Starts:15086-15027-15614-
 16281,16363,83,EXACT,AG-GT
 17037,17159,123,EXACT,AG-GT
 17375,17640,266,EXACT,AG-GT
 18317,18427,111,START: end 2 AG
 18630,18705,76,END: start 10 GT
 19340,19603,264,EXACT,AG-GT
 20102,20226,125,EXACT,AG-GT
 20436,20547,112,EXACT,AG-GT
 20682,20783,102,EXACT,AG-GT
 21142,21294,153,EXACT,AG-GT
 21769,21910,142,EXACT,TAGITGAI TAA:AG-GT
 22218,22315,98,EXACT,AG-GT
 22620,22922,303,START:Ends:23123-23182-23181-
 ID=NCLIV_000060 + 18 A..ATG
 71321,71906,586,END:Starts:69365-69666-69447-
 72591,73703,1113,EXACT,AG-GT
 73888,74489,602,EXACT,AG-GT
 75224,76126,903,EXACT,AG-GT
 76563,76696,134,EXACT,AG-GT
 77102,77239,138,START: end 1 AG
 77859,78488,630,END: start -2 GT
 78821,79019,199,START: end 135 AG
 79408,79840,433
 80133,80833,701,END: start 19 GT (ref:AG-GT)<< Possible error
 81315,81527,213,EXACT,AG-GT
 82014,82092,79,EXACT,AG-GT
 82355,82484,130,EXACT,AG-GT
 83057,83361,305,START: end -63 AG-GT
 83640,83853,214,EXACT,AG-GT
 84243,84407,165,EXACT,AG-GT
 84764,84871,108,EXACT,AG-GT
 85281,85323,43,START:Ends:85581-85589-85580-
 ID=NCLIV_000070 + 2 A..ATG
 89508,89604,97
 90718,90998,281
 ID=NCLIV_000080 + 3 [CT]..ATG[ACT]

93992,94009,18
94453,94615,163
95240,104253,9014
ID=NCLIV_000110 + 11 A..ATG
112338,112700,363
113077,113225,149,END: start 9 GT
113902,114214,313,EXACT,AG-GT
114616,115183,568,EXACT,AG-GT
116244,116458,215,EXACT,AG-GT
116810,116900,91,EXACT,AG-GT
117098,117201,104,EXACT,AG-GT
117868,118023,156,EXACT,AG-GT
118422,118533,112,EXACT,AG-GT
119109,119175,67,EXACT,AG-GT
119682,119877,196,START:Ends:126891-126999-121112-
ID=NCLIV_000140 + 10 A..ATG
144578,145218,641,END:Starts:143354-143742-143636-
145882,146276,395,EXACT,AG-GT
146891,147022,132,EXACT,ATG:AG-GT
147620,147700,81,EXACT,AG-GT
148247,148344,98,EXACT,AG-GT
148500,148647,148,EXACT,AG-GT
149155,149240,86,EXACT,AG-GT
149745,149906,162,EXACT,AG-GT
150258,150354,97,EXACT,AG-GT
150809,150939,131,START:Ends:152552-152524-152551-
ID=NCLIV_000150 + 3 A..ATG
153974,154049,76,END:Starts:153365-153947-153370-
154591,154649,59,EXACT,AG-GT
154996,155100,105,START:EXACT
ID=NCLIV_000160 + 6 A..ATG
159529,160067,539
160494,163407,2914,EXACT,GT
164159,164231,73,EXACT,AG-GT
165030,165159,130,EXACT,AG-GT
165309,165462,154,START: end -2 AG
166550,166900,351,WITHIN:EXACT
ID=NCLIV_000180 + 2 A..ATG
179208,182454,3247,END:Starts:177810-178430-181380-
182918,183072,155,START:Ends:184841-185680-185588-
ID=NCLIV_000190 + 1 CAGATGG
187823,191812,3990
ID=NCLIV_000210 + 1 GCGATGT
204228,207575,3348
ID=NCLIV_000220 + 2 A..ATG
212384,215079,2696,END:Starts:211179-209933-212109-
215390,215612,223,START:Ends:216292-228588-228639-
ID=NCLIV_000240 + 1 [CT]..ATG[ACT]
233545,235455,1911
ID=NCLIV_000260 + 14 A..ATG
239747,241782,2036,END:Starts:238630-238620-239765-
242042,242674,633,EXACT,AG-GT
243218,243453,236,EXACT,AG-GT
244030,244212,183,EXACT,AG-GT
244586,244740,155,EXACT,AG-GT
245261,245479,219,EXACT,AG-GT
245993,246691,699,EXACT,AG-GT
247320,247431,112,EXACT,AG-GT
247838,247943,106,EXACT,AG-GT
248369,248477,109,EXACT,AG-GT

248810,248907,98,START: end -3 AG
249273,249316,44,END: start 5 GT (ref:AG-GT)<< Possible error
249657,249691,35,EXACT,AG-GT
250138,250500,363,START:Ends:254710-252938-
ID=NCLIV_000270 + 1 A..ATG
256048,259875,3828
ID=NCLIV_000290 + 3 CGCATGG
265611,265640,30,OVER:Starts:264808-264819-264809-
266289,266867,579,EXACT,AG-GT
267310,267942,633,START:Ends:268083-270428-268700-
ID=NCLIV_000330 + 4 GCGATGC
282208,283142,935
283690,284231,542
285317,285518,202
285885,286323,439
ID=NCLIV_000340 + 5 A..ATG
289748,290459,712,END:Starts:288047-289087-289294-
290773,290932,160,EXACT,AG-GT
291261,291347,87,EXACT,AG-GT
292172,292334,163,START: end -54 AG-GC
292716,292805,90,START:Ends:293457-293444-
ID=NCLIV_000370 + 1 A..ATG
298221,299945,1725
ID=NCLIV_000380 + 1 A..ATG
302613,304271,1659
ID=NCLIV_000410 + 3 A..ATG
314738,314819,82
315549,316221,673
317162,317519,358
ID=NCLIV_000420 + 12 GCAATGA
319860,319984,125,END:Starts:318937-318864-
320471,320615,145,EXACT,AG
321084,321257,174,EXACT,GT
321900,322124,225,EXACT,AG-GT
322675,322919,245,EXACT,AG-GT
323279,323758,480,EXACT,AG-GT
324295,324417,123,EXACT,AG
325996,326104,109,EXACT,AG-GT
326786,326884,99,EXACT,AG-GT
327395,327522,128,EXACT,AG-GT
327910,328081,172,EXACT,AG-GT
328785,329969,1185,START:Ends:330294-329965-
ID=NCLIV_000450 + 1 TGGATGG
347404,348123,720
ID=NCLIV_000460 + 23 A..ATG
352161,352240,80
353095,353222,128
353862,353990,129
354724,354777,54
355015,355092,78
355488,355607,120
355989,356191,203
356795,356864,70
357276,357782,507
358394,358762,369
359155,359250,96
359583,359839,257
360232,360325,94
360699,360953,255
361252,361371,120

361621,361665,45
 362177,362842,666
 363165,363300,136
 363914,364105,192
 364560,365085,526,EXACT,AG-GT
 365552,366251,700,EXACT,AG
 366646,367062,417
 367161,367207,47
 ID=NCLIV_000480 + 6 G..ATGG
 375288,375472,185,END:Starts:373692-373673-374483-
 375921,376227,307,EXACT,AG-GT
 376818,376914,97,EXACT,AG-GT
 377357,377445,89,EXACT,AG-GT
 377997,378117,121,EXACT,AG-GT
 378564,379189,626,START:Ends:379408-379575-379602-
 ID=NCLIV_000500 + 6 [CT]..ATG[ACT]
 392058,392579,522
 392937,397717,4781
 398232,398523,292
 399076,399174,99
 399631,399705,75
 400299,400328,30
 ID=NCLIV_000530 + 10 [CT]..ATG[ACT]
 417648,417848,201
 419023,419253,231,EXACT,AG
 419712,419883,172
 420184,420312,129
 420656,420813,158,EXACT,GT
 421085,421377,293,EXACT,AG-GT
 421740,421904,165,EXACT,AG-GT
 422314,422452,139,EXACT,AG-GT
 422595,422765,171,EXACT,AG-GT
 423243,423323,81,START:Ends:423543-424152-
 ID=NCLIV_000550 + 9 G..ATGG
 427957,428147,191,END:Starts:427464-426032-
 428434,428521,88,EXACT,AG-GT
 428938,429033,96,EXACT,AG
 429294,429344,51,END: start 17 GT
 429684,429812,129,EXACT,AG-GT
 430057,430179,123,END: start -95 AG-GT (ref:AG-GT)<< Possible error
 430481,430636,156,EXACT,AG-GT
 431729,431825,97,EXACT,AG-GT
 432270,432295,26,START:EXACT
 ID=NCLIV_000560 + 1 [CT]..ATG[ACT]
 435656,438157,2502
 ID=NCLIV_000590 + 1 A..ATG
 476435,477691,1257,OVER:Starts:475491-475492-475502-
 ID=NCLIV_000600 + 7 [CT]..ATG[ACT]
 482351,482365,15,OVER:Starts:481770-481986-
 482728,482985,258,END: start -742 GT
 483470,483961,492,EXACT,AG-GT
 484180,484355,176,EXACT,AG
 484488,484593,106
 485113,485182,70,EXACT,GT
 485407,485615,209,START:Ends:486649-486478-
 ID=NCLIV_000620 + 6 A..ATG
 492194,492493,300
 492964,493220,257,END: start -337 GT (ref:AG-GT)<< Possible error
 493768,493960,193,EXACT,AG-GT
 494344,494749,406,START: end -5 AG

495085,495347,263,END: start -54 GT (ref:AG-GT)<< Possible error
495850,495891,42,START:Ends:501618-501944-501567-
ID=NCLIV_000640 + 6 GGCATGC
502748,503161,414,END:Starts:502054-502106-502124-
503265,503537,273,EXACT,AG-GT
503663,503779,117,EXACT,AG-GT
503955,504041,87,EXACT,AG-GT
504149,504246,98,EXACT,AG-GT
504388,504451,64,START:Ends:504689-504488-504738-
ID=NCLIV_000660 + 8 A..ATG
522068,522117,50
522740,522842,103
523109,523315,207
524142,524210,69,OVER: start -228 and end 651 AG-GT (ref:AG-GT)<< Possible error
524774,524861,88,END: start -860 AG-GT (ref:AG-GT)<< Possible error
525066,525788,723,EXACT,AG-GT
526405,526572,168,START: end -19 AG
526984,527633,650
ID=NCLIV_000670 + 3 A..ATG
531269,531968,700,END:Starts:530224-530225-530276-
532559,532747,189,EXACT,AG-GT
533152,533366,215,START:Ends:535117-535198-535247-
ID=NCLIV_000690 + 11 CCGATGG
554096,554290,195,END:EXACT
554715,554827,113,EXACT,ATG:AG-GT
555434,555668,235,EXACT,AG-GT
555934,555988,55,EXACT,AG-GT
556601,556932,332,EXACT,AG-GT
558464,558572,109,END: start -67 AG-GT (ref:AG-GT)<< Possible error
558797,558853,57,EXACT,AG-GT
559312,559496,185,START: end -33 AG-GT (ref:AG-GT)<< Possible error
559883,559996,114,EXACT,AG-GT
560750,560822,73,EXACT,AG-GT
561389,561612,224,OVER:Starts:560242-561221-
ID=NCLIV_000710 + 5 GATATGT
580481,580595,115,OVER:Starts:575232-580069-578628-
581603,581769,167,EXACT,AG-GT
582340,582428,89,START: end 832 ATG:AG-GT
583090,583260,171,END: start -750 ATG:AG-GT
583632,583755,124,START:Ends:584194-584378-
ID=NCLIV_000711 + 5 TAGGCAC
584512,584657,146
586153,586199,47
586732,586835,104
587460,590499,3040
591873,591943,71
ID=NCLIV_000712 + 9 A..ATG
593628,593894,267,END:Starts:592685-592693-592742-
594415,595135,721,EXACT,AG-GT
595679,596502,824,END: start 739 AG-GT (ref:AG-GT)<< Possible error
597007,597060,54,END: start -37 AG-GT (ref:AG-GT)<< Possible error
597661,597820,160,EXACT,AG-GT
598187,598254,68,EXACT,AG-GT
598831,599196,366,EXACT,AG-GT
599573,599739,167,EXACT,AG-GT
600357,600459,103,OVER:Ends:601525-601654-601592-
ID=NCLIV_000720 + 14 G..ATGG
610708,611076,369,END:Starts:610761-609722-
611313,611522,210,EXACT,AG-GT
612034,612141,108,EXACT,AG-GT

612347,612445,99,EXACT,AG-GT
 612692,612790,99,EXACT,AG-GT
 613422,613975,554,EXACT,AG-GT
 614601,614693,93,START: end -1 AG
 615032,615281,250
 615639,615712,74
 616049,616208,160
 616731,616858,128
 617518,617604,87,END: start -1 GT (ref:AG-GT)<< Possible error
 618036,618441,406,EXACT,AG-GT
 618735,619040,306,START:Ends:620021-620068-
 ID=NCLIV_000725 + 5 A..ATG
 622107,622114,8,END:Starts:621789-621310-622065-
 622582,622677,96,EXACT,AG-GT
 622870,622950,81,EXACT,AG-GT
 623395,623463,69,EXACT,AG-GT
 623827,623872,46,START:Ends:624077-623867-623954-
 ID=NCLIV_000740 + 7 A..ATG
 632114,632380,267,END:Starts:627211-631205-631248-
 632871,633033,163,EXACT,AG-GT
 633572,633689,118,EXACT,AG-GT
 634290,634362,73,START: end -1 AG
 634771,634913,143
 635186,635700,515
 636243,637090,848
 ID=NCLIV_000750 + 1 A..ATG
 639324,640244,921
 ID=NCLIV_000760 + 1 G..ATGG
 642090,643004,915
 ID=NCLIV_000770 + 5 TTTATGG
 645715,645725,11
 646239,646308,70
 646740,646824,85
 647428,647504,77
 648206,648361,156
 ID=NCLIV_000780 + 6 A..ATG
 650835,651090,256,END:Starts:650368-650830-650113-
 651727,651975,249,EXACT,ATG:AG-GT
 652465,652547,83,START: end -22 AG
 653176,653370,195,END: start 28 GT
 653637,653705,69,EXACT,AG-GT
 654017,654115,99,START:Ends:655221-656568-
 ID=NCLIV_000820 + 5 GTGATGT
 689828,690127,300
 690688,690777,90
 691180,691611,432
 692043,692205,163
 692817,693142,326
 ID=NCLIV_000840 + 3 A..ATG
 698930,698960,31,END:Starts:698630-698474-698553-
 699416,699478,63,EXACT,AG-GT
 699963,700189,227,START:Ends:700632-700636-700667-
 ID=NCLIV_000850 + 14 GCGATGA
 703986,704563,578
 705013,705500,488
 706047,706201,155
 706730,706793,64
 707147,707220,74
 707709,707810,102
 708715,708810,96

709272,709411,140
 709614,709761,148
 710006,710160,155
 710960,711013,54
 711167,711392,226
 711467,711589,123
 711828,711932,105
 ID=NCLIV_000860 + 5 G..ATGG
 714117,714928,812
 715792,716318,527,END: start -1323 AG-GT (ref:AG-GT)<< Possible error
 717304,717425,122,EXACT,AG-GT
 717803,717890,88,EXACT,AG-GT
 718467,718555,89,START:Ends:718494-719360-719361-
 ID=NCLIV_000890 + 5 A..ATG
 737544,737810,267,END:EXACT
 738349,738570,222,START: end 194 Info:AG-GC-AG-GT-donor=TC-
 739264,739522,259,END: start -331 GT
 739946,740116,171,EXACT,AG-GT
 740537,740838,302,START:Ends:742261-744183-742043-
 ID=NCLIV_000910 + 1 G..ATGG
 748227,755324,7098
 ID=NCLIV_000930 + 14 [CT]..ATG[ACT]
 766855,766885,31
 767200,767302,103,OVER: start -7 and end 1 AG
 767542,767681,140
 767991,768137,147
 768581,768661,81,END: start 14 GT
 769337,769448,112,EXACT,AG-GT
 770078,770144,67,EXACT,ATG:AG-GT
 770545,770611,67,START: end 1 AG
 771140,771198,59
 771649,771726,78
 771849,771980,132
 772813,772898,86
 773389,773539,151
 774689,774793,105
 ID=NCLIV_000940 + 14 A..ATG
 778953,779167,215,END:Starts:778793-778948-
 779759,779816,58
 780118,780179,62,EXACT,AG-GT
 780410,780493,84,EXACT,AG-GT
 780911,781086,176,EXACT,AG-GT
 782095,782210,116,END: start 32 AG-GT (ref:AG-GT)<< Possible error
 782447,782537,91,START: end 379 AG-GT (ref:AG-GT)<< Possible error
 782782,782916,135,END: start -335 AG-GT (ref:AG-GT)<< Possible error
 783518,783585,68,EXACT,AG-GT
 784264,784374,111,EXACT,AG-GT
 784599,784689,91,EXACT,AG-GT
 785512,785601,90,EXACT,AG-GT
 785927,786050,124,START: end -49 Info:AG to ATG:donor=TG-ATG:AG-GT-ATG:AG-GC-
 786297,786336,40
 ID=NCLIV_001000 + 7 G..ATGG
 837604,837642,39,END:Starts:836935-836924-
 838316,838390,75,EXACT,AG-GT
 838988,839086,99,EXACT,AG-GT
 839387,839451,65,START: end 102 AG
 840051,840111,61
 841472,841596,125,EXACT,AG
 842866,843136,271,START:Starts:842866-842829-842869-
 ID=NCLIV_001010 + 3 A..ATG

846814,847350,537
 847581,847903,323
 848492,848567,76
 ID=NCLIV_001020 + 7 A..ATG
 853138,853976,839,END:Starts:852882-852876-
 854424,854656,233,EXACT,AG-GT
 855124,855297,174,EXACT,AG-GT
 855679,855764,86,START: end 139 AG
 856369,856426,58
 856813,857060,248
 857625,858014,390,OVER:Starts:858923-857621-
 ID=NCLIV_001050 + 10 G..ATGG
 880560,882208,1649
 882940,883076,137
 884057,884128,72
 884578,884639,62
 885133,888325,3193
 888805,889020,216
 889897,890117,221,EXACT,GT
 890473,890682,210,EXACT,AG-GT
 890846,892647,1802,EXACT,AG-GT
 893206,894307,1102,START:Ends:894994-895337-893212-
 ID=NCLIV_001060 + 14 A..ATG
 897746,897787,42
 898383,898437,55
 899064,899159,96
 899571,899869,299
 900328,900417,90
 900753,901245,493
 901624,901908,285
 902380,903130,751
 903700,904042,343
 904494,905087,594
 905672,905876,205
 906238,906445,208
 906787,907268,482
 907459,907877,419
 ID=NCLIV_001070 + 1 A..ATG
 909754,910104,351,OVER:Ends:910916-911643-
 ID=NCLIV_001100 + 13 [CT]..ATG[ACT]
 933676,934104,429
 934342,934416,75,END: start 19 GT
 934663,934939,277,EXACT,AG-GT
 935551,935608,58,EXACT,AG-GT
 937126,937200,75,EXACT,AG-GT
 937447,937517,71,EXACT,AG-GT
 937839,937918,80,EXACT,AG-GT
 938164,938234,71,EXACT,AG-GT
 938569,938841,273,EXACT,AG-GT
 939202,939321,120,EXACT,AG-GT
 939972,940037,66,EXACT,AG-GT
 940183,940900,718,EXACT,AG-GT
 941372,941887,516,START:Ends:942163-944605-944317-
 ID=NCLIV_001105 + 2 A..ATG
 944053,944215,163,OVER:Ends:942163-944605-944317-
 944985,945142,158
 ID=NCLIV_001120 + 11 A..ATG
 953408,953640,233,END:Starts:952497-952558-
 954213,954531,319,EXACT,AG-GT
 954886,955626,741,EXACT,AG-GT

956349,956693,345,EXACT,AG-GT
957254,957361,108,EXACT,AG-GT
957908,958234,327,EXACT,AG-GT
958525,958599,75,EXACT,AG-GT
958771,958896,126,EXACT,AG-GT
959483,959785,303,START: end 56 AG
960098,960181,84,EXACT,AG-GT
960295,960564,270,START:Ends:960782-960318-960898-
ID=NCLIV_001130 + 6 A..ATG
963048,963328,281,END:Starts:962239-962221-962244-
964004,964134,131,EXACT,AG-GT
964359,964478,120,EXACT,AG-GT
964662,964797,136,EXACT,AG-GT
965186,965291,106,EXACT,AG-GT
965605,965700,96,START:Ends:965636-966336-966390-
ID=NCLIV_001135 + 4 A..ATG
968241,969090,850,END:Starts:967557-967534-967615-
969393,969875,483,EXACT,AG-GT
970324,970622,299,EXACT,AG-GT
971121,971318,198,START:Ends:971864-971865-971871-
ID=NCLIV_001137 + 6 G..ATGG
974592,975016,425,END:Starts:973878-973679-973885-
975285,975416,132,START: end -2 AG
975708,975771,64,END: start 11 GT (ref:AG-GT)<< Possible error
976466,976600,135,END: start -23 AG-GT (ref:AG-GT)<< Possible error
977403,977501,99,EXACT,AG-GT
977750,978064,315,OVER:Ends:979272-979358-978603-
ID=NCLIV_001140 + 7 A..ATG
980529,980629,101
980803,980875,73
981091,981199,109
981562,981696,135
982202,982377,176
982586,982714,129
983341,983478,138
ID=NCLIV_001160 + 7 GGGATGC
1019487,1019579,93
1020113,1020236,124
1021128,1021442,315
1021979,1022223,245
1022579,1023577,999
1023810,1023960,151
1024672,1024718,47
ID=NCLIV_001180 + 8 G..ATGG
1037160,1038572,1413
1039346,1039537,192,EXACT,AG-GT
1039786,1039942,157,EXACT,AG-GT
1040412,1040566,155,EXACT,AG-GT
1040949,1041098,150,EXACT,AG-GT
1041304,1041456,153,START: end -2 AG
1041642,1041860,219,END: start -3 GT (ref:AG-GT)<< Possible error
1042268,1042435,168,START:Ends:1042767-1042732-1042754-
ID=NCLIV_001200 + 8 CAGATGG
1066010,1066144,135
1067002,1067149,148,END: start 83 AG-GT (ref:AG-GT)<< Possible error
1067282,1067373,92,EXACT,AG-GT
1068051,1068106,56,EXACT,AG-GT
1068627,1068850,224,EXACT,AG-GT
1069356,1069454,99,EXACT,AG-GT
1070146,1070171,26,EXACT,AG-GT

1070662,1070688,27,START:Ends:1071340-1071190-1071241-
 ID=NCLIV_001225 + 3 [CT]..ATG[ACT]
 1094361,1094577,217
 1094902,1096077,1176
 1096556,1096623,68
 ID=NCLIV_001240 + 10 A..ATG
 1122446,1125631,3186,END:Starts:1120972-1120974-1121012-
 1126232,1126387,156,EXACT,AG-GT
 1127077,1127166,90,EXACT,AG-GT
 1127620,1127706,87,START: end 2 AG
 1128141,1128297,157,END: start 10 GT (ref:AG-GT)<< Possible error
 1129083,1129172,90,EXACT,AG-GT
 1129784,1129923,140,EXACT,AG-GT
 1130445,1130555,111,EXACT,AG-GT
 1131213,1131273,61,EXACT,AG-GT
 1131955,1132073,119,START:Ends:1132648-1132657-1132659-
 ID=NCLIV_001250 + 17 A..ATG
 1135537,1135824,288
 1136261,1136780,520,END: start 56 GT
 1137817,1138232,416,EXACT,AG-GT
 1139060,1139344,285,EXACT,AG-GT
 1139540,1139712,173,START: end -12 AG
 1140056,1140566,511,END: start 1 GT
 1140802,1141049,248,EXACT,AG-GT
 1141206,1141346,141,EXACT,AG-GT
 1141654,1141792,139,EXACT,AG-GT
 1142276,1142414,139,EXACT,AG-GT
 1142847,1143022,176,START: end -27 AG-GT (ref:AG-GT)<< Possible error
 1143402,1143578,177,EXACT,AG-GT
 1144004,1144123,120,EXACT,AG
 1144523,1144738,216,END: start 8 GT (ref:AG-GT)<< Possible error
 1145135,1145284,150,EXACT,AG-GT
 1145486,1145660,175,EXACT,AG-GT
 1145846,1146057,212,START:Ends:1146568-1146624-1146585-
 ID=NCLIV_001270 + 12 [CT]..ATG[ACT]
 1155307,1155486,180,END:Starts:1153308-1153259-
 1155924,1156420,497,EXACT,AG-GT
 1156833,1157657,825,EXACT,AG-GT
 1157961,1158606,646,EXACT,AG-GT
 1158849,1159251,403,EXACT,AG-GT
 1160036,1160115,80,EXACT,AG-GT
 1160750,1160832,83,EXACT,AG-GT
 1161272,1161500,229,EXACT,AG-GT
 1162197,1162279,83,EXACT,AG-GT
 1162693,1162795,103,EXACT,AG-GT
 1163294,1163442,149,EXACT,AG-GT
 1164069,1164330,262,START:EXACT
 ID=NCLIV_001300 + 1 A..ATG
 1187980,1188381,402
 ID=NCLIV_001330 + 1 GCAATGA
 1211547,1212164,618,OVER:Ends:1212292-1212282-
 ID=NCLIV_001340 + 6 [CT]..ATG[ACT]
 1216631,1217644,1014
 1217987,1218140,154
 1218749,1218894,146
 1219142,1219262,121
 1219377,1220464,1088
 1220914,1221213,300
 ID=NCLIV_001350 + 6 A..ATG
 1223647,1223947,301

1224488,1225372,885
1225834,1227834,2001
1228149,1228245,97,EXACT,GT
1228773,1228906,134,EXACT,AG-GT
1229172,1229239,68
ID=NCLIV_001360 + 5 A..ATG
1232909,1233018,110,END:EXACT
1233445,1233523,79,EXACT,AG-GT
1234090,1234241,152,END: start -16 AG-GT (ref:AG-GT)<< Possible error
1234803,1235254,452,END: start -11 AG-GT (ref:AG-GT)<< Possible error
1235706,1235770,65,WITHIN:EXACT
ID=NCLIV_001380 + 12 A..ATG
1259789,1260107,319,END:Starts:1258812-1258813-1258842-
1260592,1260728,137,EXACT,AG-GT
1261072,1261224,153,EXACT,AG-GT
1261582,1261743,162,START: end 428 AG-GT (ref:AG-GT)<< Possible error
1262054,1262171,118,END: start -472 AG-GT (ref:AG-GT)<< Possible error
1262820,1262925,106,EXACT,AG-GT
1263304,1263373,70,EXACT,AG-GT
1263795,1263842,48,EXACT,AG-GT
1264149,1264302,154,EXACT,AG-GT
1264669,1264787,119,EXACT,AG-GT
1265517,1265589,73,EXACT,AG-GT
1266169,1266398,230,START:Ends:1266714-1266283-1266680-
ID=NCLIV_001390 + 5 [CT]..ATG[ACT]
1270137,1270143,7
1270700,1270746,47,OVER: start -1 and end 25 GT
1271213,1271292,80,EXACT,AG-GT
1271867,1271979,113,EXACT,AG-GT
1272852,1272964,113,START:Ends:1273964-1274036-
ID=NCLIV_001395 + 10 A..ATG
1275977,1276303,327
1277271,1278711,1441
1279662,1279932,271
1280367,1280789,423
1281301,1283291,1991
1283439,1283563,125
1284186,1284284,99
1284734,1284880,147
1285254,1285325,72
1285813,1286253,441
ID=NCLIV_001410 + 4 A..ATG
1307178,1307483,306
1307945,1308078,134
1308442,1308500,59
1308828,1309960,1133
ID=NCLIV_001430 + 13 G..ATGG
1316361,1316426,66
1316720,1316863,144,END: start 13 GT
1317194,1317484,291,EXACT,AG-GT
1318031,1318162,132,EXACT,AG-GT
1318861,1319106,246,EXACT,AG-GT
1319680,1319832,153,EXACT,AG-GT
1320021,1320153,133,EXACT,AG-GT
1320980,1321002,23
1321149,1321319,171,EXACT,AG-GT
1321570,1321773,204,EXACT,AG-GT
1322294,1322971,678,START: end 108 AG
1323275,1323547,273,END: start -117 GT (ref:AG-GT)<< Possible error
1323851,1323970,120,START:Ends:1324377-1324384-1325064-

ID=NCLIV_001450 + 26 A..ATG
 1341731,1342692,962,END:Starts:1339705-1340378-1342098-
 1343243,1343698,456,EXACT,AG-GT
 1344346,1345219,874,START: end 39 AG-GC (ref:AG-GT)<< Possible error
 1345565,1345960,396,START: end 36 AG-GC (ref:AG-GT)<< Possible error
 1346489,1346698,210,EXACT,ATG:AG-GT
 1347236,1347530,295,EXACT,AG-GT
 1347851,1348059,209,EXACT,AG-GT
 1348507,1349676,1170,START: end -22 AG
 1349960,1350334,375,END: start 5 GT
 1350613,1350875,263,EXACT,AG-GT
 1351163,1351630,468,EXACT,AG-GT
 1351952,1352109,158,EXACT,AG-GT
 1352583,1352687,105,EXACT,AG-GT
 1352947,1353158,212,EXACT,AG-GT
 1353910,1354791,882,EXACT,AG-GT
 1355017,1355613,597
 1355935,1356162,228,EXACT,AG-GT
 1357095,1357301,207,START: end 739 AG-GT
 1357669,1358040,372,END: start -574 AG-GT
 1358541,1359001,461,EXACT,TAG|TGA|TAA:AG-GT
 1359166,1360031,866,EXACT,AG-GT
 1360439,1362559,2121,EXACT,AG-GT
 1362965,1364414,1450,END: start -30 AG-GT (ref:AG-GT)<< Possible error
 1364847,1365437,591,EXACT,AG-GT
 1365738,1366260,523,EXACT,AG-GT
 1366763,1366906,144,START:EXACT
 ID=NCLIV_001470 + 3 [CT]..ATG[ACT]
 1375239,1376087,849
 1376884,1377063,180
 1377328,1378710,1383
 ID=NCLIV_001480 + 1 A..ATG
 1383218,1384411,1194
 ID=NCLIV_001490 + 7 G..ATGG
 1385826,1385913,88
 1386711,1386926,216
 1387144,1387339,196
 1387710,1387882,173
 1389432,1389494,63
 1390983,1391134,152
 1392037,1392162,126
 ID=NCLIV_001500 + 1 A..ATG
 1394272,1395972,1701
 ID=NCLIV_001540 + 13 G..ATGG
 1420709,1420798,90,END:Starts:1417567-1416115-1418277-
 1421102,1421198,97,EXACT,AG-GT
 1421393,1421508,116,EXACT,AG-GT
 1421964,1422137,174,EXACT,AG-GT
 1422594,1422684,91,START: end 89 AG-GT
 1422993,1423126,134,EXACT,AG-GT
 1423360,1423538,179,EXACT,AG-GT
 1423755,1423875,121,EXACT,AG-GT
 1424304,1424365,62,EXACT,AG
 1424832,1424965,134
 1425388,1425440,53
 1426113,1426161,49,EXACT,AG-GT
 1426455,1426783,329,START:Ends:1428597-1428589-1428604-
 ID=NCLIV_001550 + 8 A..ATG
 1430960,1431329,370,END:Starts:1430193-1430165-1430438-
 1431689,1431811,123,EXACT,AG-GT

1432183,1432321,139,EXACT,AG-GT
1432512,1432705,194,EXACT,AG-GT
1433031,1433414,384,EXACT,AG-GT
1433809,1434426,618,EXACT,AG-GT
1434856,1435041,186,EXACT,AG-GT
1435362,1436008,647,START:Ends:1437124-1437069-1437194-
ID=NCLIV_001580 + 10 A..ATG
1461291,1462372,1082,END:Starts:1459232-1459240-1459168-
1462951,1463038,88,EXACT,AG-GT
1463221,1463470,250,EXACT,GT
1463818,1463975,158,EXACT,AG-GT
1464098,1464248,151,EXACT,AG-GT
1464802,1464860,59,EXACT,AG-GT
1465137,1465258,122,EXACT,AG-GT
1465661,1465848,188,END: start 87 AG-GT (ref:AG-GT)<< Possible error
1466337,1466452,116,EXACT,AG-GT
1466933,1467532,600,START:Ends:1468209-1466993-1468211-
ID=NCLIV_001610 + 1 A..ATG
1489124,1492228,3105
ID=NCLIV_001630 + 6 G..ATGG
1507357,1508671,1315
1509251,1511828,2578
1512272,1512535,264
1512967,1516564,3598,END: start 296 GT (ref:AG-GT)<< Possible error
1516849,1516903,55
1520649,1521331,683
ID=NCLIV_001640 + 3 A..ATG
1524528,1526024,1497,END:Starts:1522930-1522911-1524715-
1526695,1527279,585,START: end 6 AG (ref:AG-GT)<< Possible error
1527724,1527840,117
ID=NCLIV_001680 + 3 A..ATG
1549800,1550231,432,END:Starts:1549218-1549228-1549423-
1551124,1551323,200,EXACT,AG-GT
1552083,1552191,109,START:Ends:1552506-1552731-1552425-
ID=NCLIV_001690 + 18 A..ATG
1556802,1557461,660
1557888,1558147,260
1558734,1559001,268
1559354,1559597,244
1559972,1560502,531
1561118,1561379,262
1561860,1561986,127
1562388,1565612,3225
1565964,1575115,9152
1575664,1576490,827
1576880,1577380,501
1577900,1582313,4414
1582796,1590191,7396
1590505,1590575,71
1590834,1591100,267
1591286,1591748,463
1591900,1592258,359
1592446,1592881,436
ID=NCLIV_001710 + 3 A..ATG
1602271,1603272,1002,END:Starts:1598306-1601093-1602257-
1603525,1603742,218,EXACT,AG-GT
1603963,1606234,2272,START:Ends:1609607-1611607-1605537-
ID=NCLIV_001740 + 5 TCAATGG
1618431,1618485,55
1618908,1619010,103

1619424,1619468,45
1619687,1620323,637
1620670,1626978,6309
ID=NCLIV_001750 + 3 A..ATG
1630339,1630530,192,END:Starts:1628329-1629355-1629170-
1631347,1631878,532,EXACT,AG-GT
1632582,1632760,179,START:Ends:1635291-1635284-1635277-
ID=NCLIV_001790 + 13 CGGATGG
1661305,1661343,39,END:Starts:1660467-1660469-1660471-
1661648,1661757,110,EXACT,AG-GT
1662049,1662189,141,START: end 124 AG
1662884,1662974,91,EXACT,GT
1663443,1663712,270,EXACT,AG-GT
1664249,1664337,89,START: end 3 AG
1664864,1664951,88,START: end -5 AG
1665355,1665449,95,END: start -179 GT
1665822,1665981,160,EXACT,AG-GT
1666499,1666579,81,EXACT,AG-GT
1666926,1666986,61,EXACT,AG-GT
1667286,1667325,40,EXACT,AG-GT
1667728,1667926,199,START:Ends:1668384-1668829-
ID=NCLIV_001800 + 6 A..ATG
1670878,1672365,1488
1672714,1672783,70,END: start 34 GT
1673356,1673447,92,START: end 287 GT
1673613,1673734,122,END: start -257 GT
1673928,1674012,85,EXACT,AG-GT
1674404,1674766,363
ID=NCLIV_001820 + 8 A..ATG
1681080,1681103,24,END:Starts:1680607-1679480-
1681738,1681989,252,EXACT,AG-GT
1682348,1682416,69,EXACT,AG-GT
1682640,1683203,564,START: end 590 AG-GT
1683695,1683793,99,END: start -1055 AG-GT
1684279,1684364,86,EXACT,ATG:AG-GT
1684751,1685084,334,EXACT,AG-GT
1685274,1685423,150,START:EXACT
ID=NCLIV_001830 + 3 A..ATG
1688090,1688539,450,END:EXACT
1689128,1689161,34,EXACT,AG-GT
1689480,1690507,1028,START:Ends:1693598-1703401-1693633-
ID=NCLIV_001840 + 2 GCCATGA
1695165,1697803,2639
1698507,1698975,469
ID=NCLIV_001870 + 8 A..ATG
1721108,1722184,1077,END:Starts:1719585-1719675-1722128-
1722898,1723294,397,EXACT,AG-GT
1723880,1724006,127,EXACT,AG-GT
1724330,1724535,206,EXACT,AG-GT
1724850,1724935,86,EXACT,AG-GT
1725205,1725235,31,EXACT,AG-GT
1725557,1725680,124,EXACT,AG-GT
1725983,1726091,109,START:Ends:1727423-1727421-1727418-
ID=NCLIV_001900 + 1 A..ATG
1746926,1750924,3999
ID=NCLIV_001910 + 4 A..ATG
1753778,1754397,620,END:Starts:1752812-1752842-
1754822,1754969,148,EXACT,AG
1755381,1755618,238,END: start 48 GT
1756108,1756592,485,START:Ends:1757454-1758328-1757248-

ID=NCLIV_001930 + 5 A..ATG
 1771257,1772528,1272
 1774124,1774239,116
 1775908,1776782,875,END: start -823 GT (ref:AG-GT)<< Possible error
 1777358,1777718,361,EXACT,AG-GT
 1778621,1779557,937,START:Ends:1779823-1786949-1779902-
 ID=NCLIV_001940 + 1 A..ATG
 1782698,1786975,4278
 ID=NCLIV_001960 + 4 A..ATG
 1796773,1797395,623,OVER:Starts:1791564-1791588-
 1797781,1798118,338,END: start -6193 GT
 1798376,1798570,195,EXACT,Code:INTERNAL-
 1799644,1800197,554
 ID=NCLIV_001980 + 14 A..ATG
 1812577,1813924,1348
 1814182,1814376,195
 1815040,1816000,961
 1816239,1816692,454
 1816821,1817195,375
 1818591,1818935,345
 1819489,1819567,79
 1819899,1820042,144,END: start 9 GT
 1820300,1820457,158,END: start 36 AG-GT
 1820686,1820797,112,EXACT,TAG|TGA|TAA:AG-GT
 1821182,1821252,71,EXACT,AG-GT
 1821536,1821668,133,EXACT,AG-GT
 1822043,1822131,89,EXACT,AG-GT
 1822475,1822573,99,START:Ends:1823761-1827301-
 ID=NCLIV_001990 + 4 A..ATG
 1838848,1840380,1533,END:Starts:1837750-1837767-1838993-
 1840970,1841162,193,END: start -28 AG-GT
 1841743,1841910,168
 1842684,1842793,110,OVER:Ends:1843807-1844390-
 ID=NCLIV_002000 + 1 GTCATGA
 1847210,1849291,2082,WITHIN:EXACT
 ID=NCLIV_002010 + 2 A..ATG
 1850356,1850516,161,END:EXACT
 1851075,1851252,178,START:Ends:1851147-1851272-
 ID=NCLIV_002060 + 4 G..ATGG
 1885097,1885116,20
 1886451,1886591,141
 1886851,1886996,146
 1887625,1887788,164
 ID=NCLIV_002080 + 3 A..ATG
 1906105,1907779,1675,END:Starts:1905625-1905726-
 1908348,1908954,607
 1909531,1914730,5200
 ID=NCLIV_002100 + 8 A..ATG
 1936251,1937529,1279
 1938288,1938325,38
 1938709,1938852,144
 1939410,1939536,127
 1940228,1940289,62,OVER: start -817 and end 431 GT
 1941650,1944599,2950,START: end 377 ATG:AG-GT
 1944879,1944976,98,END: start -3229 ATG:AG-GT
 1946088,1947185,1098,OVER:Ends:1945758-1947534-
 ID=NCLIV_002115 + 7 GAGATGC
 1956334,1956777,444,END:Starts:1955175-1955003-1956301-
 1957510,1957743,234
 1958130,1958194,65,START: end -20 AG-GT (ref:AG-GT)<< Possible error

1958403,1958468,66,OVER: start -25 and end 14 AG-GT
 1958762,1959070,309,START: end 107 AG
 1959791,1959966,176
 1960722,1960882,161
 ID=NCLIV_002180 + 1 GAAATGA
 2049336,2051819,2484
 ID=NCLIV_002200 + 4 A..ATG
 2061025,2061877,853,END:Starts:2059286-2059257-2059302-
 2062081,2062213,133,EXACT,TAG|TGA|TAA:AG-GT
 2062359,2062410,52,EXACT,AG-GT
 2062653,2065397,2745,START:Ends:2067254-2069030-2068952-
 ID=NCLIV_002290 + 1 A..ATG
 2149004,2149426,423
 ID=NCLIV_002300 + 4 A..ATG
 2151569,2151676,108,END:Starts:2150842-2150824-2150927-
 2151976,2152045,70,EXACT,AG-GT
 2152321,2152397,77,EXACT,AG-GT
 2152865,2153062,198,START:Ends:2152932-2153653-2153639-
 ID=NCLIV_002320 + 1 A..ATG
 2157621,2158739,1119
 ID=NCLIV_002340 + 10 A..ATG
 2169830,2170384,555,END:Starts:2169170-2169158-2169182-
 2170890,2170997,108,EXACT,AG-GT
 2171603,2172382,780,EXACT,AG-GT
 2172897,2172990,94,EXACT,AG-GT
 2173451,2173524,74,EXACT,AG-GT
 2174071,2174166,96,EXACT,AG-GT
 2174795,2175205,411,EXACT,AG-GT
 2175577,2175801,225,EXACT,AG-GT
 2176232,2176343,112,EXACT,AG-GT
 2176908,2177323,416,START:Ends:2177364-2177266-2177366-
 ID=NCLIV_002360 + 1 G..ATGG
 2185569,2186759,1191
 ID=NCLIV_002380 + 3 A..ATG
 2206630,2207115,486
 2207468,2207695,228,END: start -17 AG-GT (ref:AG-GT)<< Possible error
 2208037,2208156,120,START:Ends:2208217-2211699-2208286-
 ID=NCLIV_002400 + 8 A..ATG
 2211954,2212178,225,END:EXACT
 2212488,2212751,264,EXACT,AG-GT
 2213422,2213526,105,EXACT,AG-GT
 2214192,2214374,183,EXACT,AG-GT
 2214802,2214867,66,EXACT,AG-GT
 2215202,2215342,141,EXACT,AG-GT
 2215550,2215615,66,EXACT,AG-GT
 2215951,2216013,63,START:Ends:2215970-2216063-2216564-
 ID=NCLIV_002420 + 14 A..ATG
 2219128,2219277,150,END:Starts:2218006-2217897-
 2220091,2220261,171,START: end -40 AG
 2220597,2221130,534
 2221321,2221463,143
 2221800,2221865,66
 2222583,2222782,200
 2223251,2223774,524,END: start 21 GT
 2224263,2225645,1383,END: start 728 GT
 2226086,2226199,114,EXACT,AG-GT
 2226625,2226970,346,EXACT,AG-GT
 2227331,2227474,144,EXACT,AG-GT
 2227928,2229090,1163,EXACT,AG-GT
 2229790,2230164,375,EXACT,AG-GT

2230616,2231437,822,START:Ends:2231819-2231744-
 ID=NCLIV_002440 + 2 A..ATG
 2243014,2243148,135,END:Starts:2242604-2242621-2242636-
 2243655,2244089,435,START:Ends:2244929-2244903-2244539-

CHROMOSOME Ia – REVERSE

ID=NCLIV_000020 - 15 A..ATG
 23563,23673,111
 23951,24028,78
 24651,24706,56
 25193,25316,124
 25589,25717,129
 26121,26514,394
 27048,27122,75
 27835,27905,71
 28228,28407,180
 29123,29344,222
 29816,29982,167
 30411,30609,199
 30892,31068,177
 31300,31556,257
 31860,31911,52
 ID=NCLIV_000030 - 1 CGAATGG
 34077,39761,5685
 ID=NCLIV_000040 - 7 A..ATG
 43707,43941,235,END:Starts:43898-43407-43467-
 44692,44797,106,EXACT,AG-GT
 45198,45398,201,EXACT,AG-GT
 45571,45634,64,EXACT,AG-GT
 46101,46226,126,EXACT,AG-GT
 46548,46762,215,EXACT,AG-GT
 47003,47951,949,START:Ends:47195-48316-48527-
 ID=NCLIV_000050 - 17 [CT]..ATG[ACT]
 50333,50423,91,END:Starts:49186-48833-
 50848,51239,392,START: end -8 GT
 51858,52169,312,END: start 45 AG
 52850,53018,169,EXACT,AG-GT
 53816,53889,74,EXACT,AG-GT
 54680,56356,1677,EXACT,AG-GT
 56622,58457,1836,START: end -1240 GT
 58894,59003,110
 59289,59457,169
 59936,60058,123
 60642,61730,1089
 62103,62601,499
 63238,63512,275
 64192,65454,1263
 66141,66314,174
 66795,66894,100
 66991,67055,65
 ID=NCLIV_000090 - 1 A..ATG
 107536,108816,1281,OVER:Starts:107010-106882-106871-
 ID=NCLIV_000100 - 3 A..ATG
 109004,109194,191,END:Starts:107010-106882-106871-
 109510,109708,199,EXACT,AG-GT
 110156,110206,51,START:Ends:112704-112701-111068-
 ID=NCLIV_000120 - 2 A..ATG
 122226,126965,4740,END:Starts:119684-119609-
 127290,132266,4977,START:Ends:128544-128811-
 ID=NCLIV_000130 - 8 A..ATG

135373,135599,227,END:Starts:134854-134841-134865-
 136042,136273,232,EXACT,AG-GT
 136613,136831,219,START: end 944 AG-GT
 137178,137192,15,OVER: start -565 and end 583 AG-GT
 137536,137775,240,END: start -923 AG-GT
 138226,138447,222,START: end 417 GT
 139003,139238,236
 140216,140309,94
 ID=NCLIV_000170 - 10 A..ATG
 169260,169299,40,END:Starts:168022-167829-168598-
 169471,169758,288,START: end -4 GT
 170103,170309,207
 170881,170984,104,END: start 4 AG (ref:AC-GT)<< Possible error
 171581,171781,201,EXACT,AG-GT
 172131,172378,248,START: end -2 GT
 172842,172910,69,END: start 17 AG
 173602,173686,85,EXACT,AG-GT
 174175,174250,76,START: end 139 GT
 175482,175558,77
 ID=NCLIV_000200 - 1 GGGATGT
 193889,198745,4857
 ID=NCLIV_000230 - 1 GGAATGA
 220540,228657,8118
 ID=NCLIV_000250 - 1 A..ATG
 237067,237432,366,OVER:Starts:236715-236660-236720-
 ID=NCLIV_000280 - 4 GCAATGT
 260963,261117,155,END:Starts:260924-260865-260916-
 261765,261899,135,EXACT,AG-GT
 262324,262555,232,EXACT,AG-GT
 263275,263403,129,START:Ends:264106-264137-263390-
 ID=NCLIV_000300 - 2 A..ATG
 269681,270088,408,END:Starts:269631-269370-269387-
 270694,271050,357,START:EXACT
 ID=NCLIV_000310 - 1 A..ATG
 274950,276803,1854
 ID=NCLIV_000320 - 1 GAAATGC
 278802,280577,1776
 ID=NCLIV_000350 - 1 G..ATGG
 294461,295216,756,OVER:Starts:294122-293538-293526-
 ID=NCLIV_000360 - 2 A..ATG
 295483,295637,155,END:Starts:294122-293538-293526-
 295970,296048,79,START:Ends:296505-296506-
 ID=NCLIV_000390 - 1 [CT]..ATG[ACT]
 305636,306874,1239
 ID=NCLIV_000400 - 1 A..ATG
 309430,310692,1263
 ID=NCLIV_000430 - 4 A..ATG
 334039,334175,137,END:Starts:328790-332185-332189-
 334486,334639,154,EXACT,AG-GT
 335124,335285,162,EXACT,AG-GT
 336377,337105,729,START:EXACT
 ID=NCLIV_000440 - 1 A..ATG
 338990,342736,3747
 ID=NCLIV_000470 - 2 A..ATG
 369847,370696,850
 371107,371324,218
 ID=NCLIV_000490 - 9 CCCATGG
 381508,383368,1861,END:Starts:380792-380793-381197-
 383653,383723,71,END: start -20 AG-GT (ref:AC-GT)<< Possible error
 383815,383867,53

384380,384486,107,EXACT,AG-GT
384786,384840,55,EXACT,AG-GT
385265,385340,76,EXACT,AG-GT
385728,385877,150,EXACT,AG-GT
386190,386237,48,EXACT,AG-GT
386619,386786,168,START:Ends:388252-388383-
ID=NCLIV_000510 - 11 A..ATG
403070,403186,117,END:Starts:402550-402573-402559-
403481,403575,95,EXACT,ATG:AG-GT
404117,404224,108,START: end 64 GT
404773,404880,108,END: start -2 AG (ref:AC-GT)<< Possible error
405392,405587,196,EXACT,AG-GT
406004,406084,81,EXACT,AG-GT
406396,406535,140,EXACT,AG-GT
406988,407024,37,EXACT,AG-GT
407512,407703,192,EXACT,AG-GT
408346,408423,78,EXACT,AG-GT
408675,408695,21,START:Ends:409509-409540-409520-
ID=NCLIV_000520 - 3 A..ATG
412151,412342,192,END:Starts:411955-411920-411874-
412690,412813,124,START: end 185 AG-GT
413197,413414,218,START:Ends:414521-414436-
ID=NCLIV_000540 - 4 A..ATG
424848,425317,470,END:Starts:424420-424435-424447-
425633,425716,84,EXACT,AG-GT
426033,426284,252,START: end 1001 GT
426837,426864,28,OVER:Ends:427285-428148-427248-
ID=NCLIV_000570 - 14 [CT]..ATG[ACT]
439585,439632,48,END:Starts:439205-439188-439198-
439888,439997,110,EXACT,AG-GT
440489,440581,93,EXACT,AG-GT
440810,441068,259,EXACT,AG-GT
441497,441625,129,EXACT,AG-GT
442050,442529,480,EXACT,AG-GT
442905,442968,64,EXACT,AG-GT
443104,443182,79,EXACT,AG-GT
443461,443657,197,EXACT,AG-GT
443999,444123,125,EXACT,AG-GT
444338,444553,216,START: end 38 ATG:AG-GT (ref:AC-GT)<< Possible error
445636,445836,201,EXACT,AG-GT
446454,446954,501,EXACT,AG-GT
447603,447617,15
ID=NCLIV_000580 - 2 A..ATG
468988,469304,317,END:Starts:468636-468556-468564-
469914,470031,118,START:EXACT
ID=NCLIV_000610 - 3 A..ATG
489311,489508,198,END:EXACT
489793,490011,219,EXACT,AG-GT
490573,490647,75,START:EXACT
ID=NCLIV_000630 - 1 GCGATGA
498222,499676,1455
ID=NCLIV_000650 - 4 A..ATG
510387,511619,1233
512485,512648,164
515124,516152,1029,END: start -1282 AG (ref:AC-GT)<< Possible error
516445,516694,250,START:Ends:518572-517478-518675-
ID=NCLIV_000680 - 7 A..ATG
543614,545204,1591,END:Starts:543202-543146-542989-
545585,546091,507,START: end 192 AG-GT
546521,546942,422,END: start -105 AG-GT (ref:AC-GT)<< Possible error

547485,547622,138,START: end 387 AG-GT
 547937,548009,73,END: start -452 AG-GT
 548309,548895,587,START: end 298 GT
 549624,551900,2277
 ID=NCLIV_000700 - 9 [CT]..ATG[ACT]
 563464,566954,3491
 567327,567447,121
 568053,568365,313
 569252,570089,838
 570782,572413,1632
 573252,573473,222
 574060,574170,111
 574547,574874,328
 575460,575585,126
 ID=NCLIV_000715 - 1 A..ATG
 604928,606097,1170
 ID=NCLIV_000730 - 1 A..ATG
 628176,629486,1311
 ID=NCLIV_000790 - 10 A..ATG
 656365,656607,243,END:Starts:653651-654028-655283-
 657191,657421,231,EXACT,AG-GT
 657811,658164,354,EXACT,AG-GT
 658372,658496,125,EXACT,AG-GT
 658924,659026,103,EXACT,AG-GT
 659393,660068,676,EXACT,AG-GT
 660401,660519,119,EXACT,AG-GT
 660819,660997,179,EXACT,AG-GT
 661575,662627,1053,EXACT,AG-GT
 662983,664993,2011,START:Ends:667247-667822-
 ID=NCLIV_000800 - 4 GCTATGA
 669971,670074,104,END:Starts:668020-668651-669838-
 670403,670554,152,START: end 106 AG-GT (ref:AC-GT)<< Possible error
 671593,672245,653,EXACT,AG-GT
 672564,673175,612,START:Ends:673326-673337-673339-
 ID=NCLIV_000810 - 7 GGTATGA
 677831,678141,311
 678528,678989,462
 679411,680313,903
 681145,681211,67
 681751,681833,83
 682543,683139,597
 683450,683510,61
 ID=NCLIV_000830 - 6 A..ATG
 694687,694728,42,END:Starts:692829-693585-693361-
 695065,695177,113,EXACT,AG-GT
 695542,695663,122,EXACT,AG-GT
 696151,696353,203,START: end -1 GT
 696575,696628,54,END: start 2 AG (ref:AC-GT)<< Possible error
 697228,697392,165,START:EXACT
 ID=NCLIV_000870 - 3 [CT]..ATG[ACT]
 720380,720458,79,END:Starts:720067-718467-720081-
 720655,722091,1437,START: end 238 GT
 722628,723487,860,OVER:Starts:721519-720655-725255-
 ID=NCLIV_000880 - 7 [CT]..ATG[ACT]
 726483,726959,477,END:Starts:721519-720655-725255-
 727555,727666,112,EXACT,AG-GT
 728321,728811,491,EXACT,AG-GT
 729195,729461,267,EXACT,AG-GT
 729722,729886,165,EXACT,AG-GT
 730487,730533,47,EXACT,AG-GT

731060,731210,151,START:Ends:734134-734422-732567-
ID=NCLIV_000900 - 2 A..ATG
742571,743634,1064
745205,746681,1477
ID=NCLIV_000920 - 11 A..ATG
758664,758732,69,END:Starts:757882-757816-758297-
759063,759202,140,EXACT,AG-GT
759535,759593,59,EXACT,AG-GT
759944,760014,71,EXACT,AG-GT
760588,760656,69,EXACT,AG-GT
761012,761074,63,EXACT,AG-GT
761627,761685,59,EXACT,AG-GT
762203,762277,75,EXACT,AG-GT
762991,763026,36,EXACT,AG-GT
763497,763629,133,EXACT,AG-GT
764619,764777,159,START:Ends:765196-765258-765180-
ID=NCLIV_000950 - 15 A..ATG
789838,789981,144
790639,790818,180
790945,791031,87
791140,791208,69
791756,791880,125
791924,792032,109
793342,793437,96
793571,793690,120
794140,794220,81
795069,795137,69
795460,795558,99
795752,795979,228
796607,796839,233
796946,797093,148
797852,797935,84
ID=NCLIV_000960 - 1 [CT]..ATG[ACT]
800734,801810,1077
ID=NCLIV_000970 - 11 [CT]..ATG[ACT]
805618,805855,238
806085,806348,264
806592,806731,140
807353,807460,108
807826,807931,106
808318,808367,50
809464,809631,168
809867,809920,54
811464,811622,159
812443,812542,100
813122,813144,23
ID=NCLIV_000980 - 1 G..ATGG
818444,818770,327,OVER:EXACT
ID=NCLIV_000990 - 17 G..ATGG
822700,822740,41
822947,823009,63
823478,823650,173
823942,824035,94
824377,824685,309
825197,825244,48
825614,825658,45
826179,826328,150
826464,826592,129
827126,827350,225
827561,828028,468

828452,828604,153
 828927,829085,159
 829401,829656,256
 830101,830161,61
 830540,830949,410
 831266,832948,1683
 ID=NCLIV_001030 - 14 G..ATGG
 861846,861966,121,END:Starts:860874-860878-860903-
 862229,862304,76,EXACT,AG-GT
 862648,862762,115,EXACT,AG-GT
 863255,863441,187,EXACT,AG-GT
 863862,864008,147,EXACT,AG-GT
 864384,864622,239,EXACT,AG-GT
 865016,865138,123,EXACT,AG-GT
 865442,866559,1118,END: start -39 AG-GT
 866902,866966,65,EXACT,AG-GT
 867581,867683,103,EXACT,AG-GT
 868109,868231,123,EXACT,AG-GT
 869072,869155,84,END: start -270 AG-GT
 869706,869768,63,START: end 231 AG-GT
 870228,870351,124,START:Ends:871922-871823-
 ID=NCLIV_001040 - 3 A..ATG
 874147,874400,254,END:Starts:873759-873764-873761-
 874516,874743,228,EXACT,AG-GT
 874952,875354,403,START:EXACT
 ID=NCLIV_001080 - 10 A..ATG
 914802,915894,1093
 916555,916912,358,WITHIN: start 54 and end -272 GC
 917299,917403,105
 917713,917970,258,END: start 32 AG
 918244,918346,103,EXACT,AG-GT
 918544,918639,96,EXACT,AG-GT
 919062,919223,162,EXACT,AG-GT
 919582,919843,262,EXACT,AG-GT
 920041,921394,1354,START: end -564 GT
 922184,922436,253
 ID=NCLIV_001090 - 7 CTGATGG
 926052,926333,282,END:Starts:925084-925137-925141-
 926710,926934,225,EXACT,AG-GT
 927256,927423,168,START: end 146 AG-GT
 927790,927993,204,EXACT,AG-GT
 928255,928975,721,EXACT,AG-GT
 929945,930063,119,EXACT,AG-GT
 930277,931221,945,START:Ends:934102-931942-931933-
 ID=NCLIV_001110 - 1 A..ATG
 946952,951901,4950
 ID=NCLIV_001150 - 3 GTGATGC
 999021,999143,123,END:Starts:998845-998786-
 999668,999820,153,EXACT,AG-GT
 1000147,1001541,1395,START:EXACT
 ID=NCLIV_001170 - 11 G..ATGG
 1026844,1027041,198,OVER:Starts:1025587-1025475-1025568-
 1027450,1027911,462,END: start -1882 AG (ref:AC-GT)<< Possible error
 1028493,1028663,171,EXACT,AG-GT
 1028897,1029006,110,EXACT,AG-GT
 1029393,1029457,65,EXACT,AG-GT
 1030101,1030180,80,EXACT,AG-GT
 1030655,1030722,68,EXACT,AG-GT
 1031281,1031892,612,START: end -9 GT
 1032315,1032453,139,END: start 14 AG

1032858,1033077,220,EXACT,AG-GT
 1033576,1033667,92,START:Ends:1035436-1035716-
 ID=NCLIV_001190 - 2 GAAATGT
 1057686,1059773,2088
 1060706,1063537,2832
 ID=NCLIV_001210 - 10 GCTATGA
 1072984,1073074,91,END:Starts:1072567-1072600-1072645-
 1073559,1073680,122,EXACT,AG-GT
 1073893,1073926,34,EXACT,AG-GT
 1074629,1074650,22,EXACT,GT
 1075141,1075270,130,EXACT,AG-GT
 1075760,1075824,65,EXACT,AG-GT
 1076346,1076444,99,EXACT,AG-GT
 1076858,1076936,79,EXACT,AG-GT
 1077522,1077585,64,EXACT,AG-GT
 1078006,1078166,161,START:Ends:1079704-1079266-
 ID=NCLIV_001220 - 2 A..ATG
 1082925,1087862,4938
 1088428,1088442,15
 ID=NCLIV_001230 - 7 A..ATG
 1104517,1104788,272,OVER:EXACT
 1105324,1105564,241,EXACT,AG-GT
 1106009,1106190,182,EXACT,AG-GT
 1106757,1107362,606,EXACT,AG-GT
 1107888,1108495,608,EXACT,AG-GT
 1108806,1114820,6015,START: end 5153 GT
 1116213,1116307,95,OVER:Ends:1117808-1119973-
 ID=NCLIV_001260 - 3 A..ATG
 1151006,1151120,115,END:Starts:1150273-1150290-1150342-
 1151516,1151620,105,EXACT,AG-GT
 1152099,1152346,248,START:Ends:1152975-1152998-1152973-
 ID=NCLIV_001280 - 2 G..ATGG
 1168697,1169456,760,END:Starts:1167979-1167974-1167967-
 1169833,1170395,563,START:Ends:1170600-1171242-1169933-
 ID=NCLIV_001290 - 21 A..ATG
 1173285,1173525,241
 1173864,1174080,217,END: start -72 AG (ref:AC-GT)<< Possible error
 1174308,1174476,169,EXACT,AG-GT
 1174854,1174949,96,EXACT,AG-GT
 1175342,1175428,87,EXACT,AG-GT
 1176085,1176145,61,EXACT,AG-GT
 1176454,1176782,329,EXACT,AG-GT
 1177678,1177836,159,EXACT,AG-GT
 1178205,1178330,126,EXACT,AG-GT
 1178684,1178875,192,EXACT,AG-GT
 1179526,1179705,180,EXACT,AG-GT
 1180233,1180309,77,EXACT,AG-GT
 1180685,1180718,34,EXACT,AG
 1180785,1181207,423,END: start 141 AG-GT
 1181413,1181564,152,EXACT,AG-GT
 1181892,1182057,166,EXACT,TAGITGAI TAA:AG-GT
 1182526,1182814,289,EXACT,AG-GT
 1182962,1183008,47,EXACT,AG-GT
 1183371,1183585,215,START: end -3 GT
 1184218,1184560,343
 1185166,1185228,63
 ID=NCLIV_001310 - 4 A..ATG
 1190310,1190500,191,END:Starts:1189529-1189531-1189467-
 1191034,1191109,76,EXACT,AG-GT
 1191467,1191773,307,EXACT,AG-GT

1192266,1192537,272,START:EXACT
ID=NCLIV_001320 - 3 [CT]..ATG[ACT]
1193414,1193608,195,END:EXACT
1194168,1194434,267,START: end -34 AG-GT
1195026,1195883,858
ID=NCLIV_001370 - 24 A..ATG
1238442,1238543,102
1238915,1239466,552,END: start 2 AG (ref:AC-GT)<< Possible error
1239804,1240093,290,START: end -11 GT
1240741,1240895,155,END: start -86 AG (ref:AC-GT)<< Possible error
1241688,1241889,202,EXACT,AG-GT
1242318,1242459,142,EXACT,AG-GT
1243122,1243357,236,EXACT,AG-GT
1243766,1243994,229,EXACT,AG-GT
1244461,1244664,204,EXACT,AG-GT
1244903,1245212,310,EXACT,ATG:AG-GT
1245751,1245917,167,EXACT,AG-GT
1246687,1246851,165,EXACT,AG-GT
1247622,1247807,186,START: end 219 GT
1248449,1248568,120,END: start -147 AG
1248857,1249045,189,EXACT,AG-GT
1249994,1250131,138,EXACT,AG-GT
1250361,1250649,289,EXACT,AG-GT
1250993,1251276,284,EXACT,AG-GT
1251619,1251964,346,EXACT,AG-GT
1252643,1252758,116,EXACT,AG-GT
1253292,1253787,496,EXACT,AG-GT
1254275,1254399,125,EXACT,AG-GT
1254713,1254839,127,EXACT,AG-GT
1255266,1256845,1580,START:Ends:1257915-1257912-
ID=NCLIV_001397 - 5 A..ATG
1287970,1288175,206
1288686,1289102,417,WITHIN: start 84 and end -276 AG-GT
1289592,1289645,54,EXACT,AG-GT
1289700,1289800,101
1290017,1290048,32,OVER:Ends:1291007-1290539-
ID=NCLIV_001400 - 16 GCCATGA
1292581,1292796,216,END:Starts:1292086-1291971-1292053-
1293253,1293514,262,EXACT,AG-GT
1293889,1294436,548,EXACT,AG-GT
1294774,1295349,576,START: end 867 GT
1295765,1295976,212,OVER: start -991 and end 240 GT
1296442,1296594,153,END: start -3 AG
1296901,1297407,507,START: end 2 GT
1297815,1298198,384,EXACT,GT
1298542,1298844,303
1299326,1299474,149
1299687,1299918,232
1300249,1300566,318
1300806,1300877,72
1301142,1301228,87
1301611,1301637,27
1301886,1302111,226
ID=NCLIV_001420 - 3 [CT]..ATG[ACT]
1311858,1312618,761,END:Starts:1311258-1309521-
1313128,1313328,201,EXACT,AG-GT
1313827,1314406,580,START:EXACT
ID=NCLIV_001440 - 18 A..ATG
1325285,1325523,239,END:Starts:1324556-1324628-
1325878,1326061,184,EXACT,AG-GT

1326394,1326810,417,EXACT,AG-GT
 1327069,1327708,640,EXACT,AG
 1328280,1328517,238,EXACT,AG-GT
 1329219,1329288,70,EXACT,GT
 1330017,1330106,90
 1330215,1330312,98
 1330525,1330546,22
 1331413,1331462,50
 1331998,1332099,102
 1332583,1332690,108
 1333170,1333266,97
 1333791,1333879,89
 1334220,1334271,52
 1334582,1334670,89,EXACT,AG
 1335185,1335251,67,EXACT,AG-GT
 1335640,1336020,381,START:Ends:1336771-1336766-
 ID=NCLIV_001460 - 1 GGGATGT
 1368923,1369915,993
 ID=NCLIV_001510 - 1 A..ATG
 1398751,1404045,5295
 ID=NCLIV_001520 - 10 A..ATG
 1408194,1408494,301,END:Starts:1408382-1408378-
 1408812,1408978,167,EXACT,ATG:AG-GT
 1409301,1409390,90,EXACT,AG-GT
 1409650,1409956,307,EXACT,AG-GT
 1410225,1410603,379,EXACT,AG-GT
 1411041,1411177,137,EXACT,AG-GT
 1411576,1412552,977,EXACT,AG-GT
 1412891,1413180,290,EXACT,AG-GT
 1413449,1413626,178,EXACT,AG-GT
 1414483,1414584,102,START:Ends:1415976-1415963-
 ID=NCLIV_001530 - 3 G..ATGG
 1418998,1419734,737
 1420194,1420447,254
 1420514,1420518,5
 ID=NCLIV_001560 - 6 G..ATGG
 1438268,1439419,1152
 1439915,1440965,1051
 1441355,1441483,129
 1442800,1443757,958
 1444435,1444512,78
 1444955,1444967,13
 ID=NCLIV_001570 - 11 A..ATG
 1445722,1450358,4637
 1452699,1452865,167
 1454974,1454984,11
 1455276,1455387,112,END: start -239 AG (ref:AC-GT)<< Possible error
 1455765,1455938,174,EXACT,AG-GT
 1456076,1456134,59,EXACT,AG-GT
 1456387,1456458,72,EXACT,AG-GT
 1456788,1456878,91,EXACT,AG-GT
 1457104,1457234,131,START: end 5 GT (ref:AC-GT)<< Possible error
 1457373,1457521,149,END: start 3 AG (ref:AC-GT)<< Possible error
 1458439,1458448,10,START:Ends:1458968-1459016-1458966-
 ID=NCLIV_001590 - 8 A..ATG
 1469715,1469873,159,END:Starts:1469106-1469118-
 1470309,1470469,161,EXACT,AG-GT
 1471085,1471256,172,EXACT,AG-GT
 1471704,1472457,754,EXACT,AG-GT
 1472783,1472892,110,EXACT,AG-GT

1473339,1473443,105,EXACT,AG-GT
 1473780,1473992,213,EXACT,GT
 1474222,1474629,408
 ID=NCLIV_001600 - 7 A..ATG
 1479258,1479630,373,END:Starts:1478340-1477957-1478316-
 1480068,1481916,1849,START: end 183 AG-GT
 1482264,1482499,236,EXACT,AG-GT
 1482926,1483012,87,EXACT,AG-GT
 1483520,1483608,89,EXACT,AG-GT
 1484105,1484302,198,EXACT,AG-GT
 1484594,1485253,660,START:Ends:1486367-1486451-1486485-
 ID=NCLIV_001620 - 6 A..ATG
 1495023,1496020,998,END:Starts:1493876-1493835-
 1496378,1496677,300,EXACT,AG-GT
 1497127,1497562,436,EXACT,AG-GT
 1497839,1497913,75,EXACT,AG-GT
 1498233,1498588,356,EXACT,ATG:AG-GT
 1498927,1503073,4147,START:Ends:1502971-1503819-1501199-
 ID=NCLIV_001650 - 4 CTCATGG
 1532777,1533076,300,END:Starts:1532390-1532003-1532218-
 1533726,1533900,175,EXACT,AG-GT
 1534391,1534520,130,START: end 195 TAG|TGA|TAA:AG-GT
 1535380,1535554,175,START:Ends:1536036-1536070-
 ID=NCLIV_001660 - 1 GCCATGT
 1540390,1541394,1005
 ID=NCLIV_001670 - 2 A..ATG
 1542969,1543924,956,END:Starts:1542820-1542771-1542797-
 1544228,1544618,391,START:Ends:1544707-1544910-1544746-
 ID=NCLIV_001700 - 5 A..ATG
 1593295,1593529,235,END:Starts:1592643-1592677-1592804-
 1593844,1594209,366,EXACT,AG-GT
 1594531,1594759,229,EXACT,AG-GT
 1594926,1595166,241,START: end 2381 GT
 1595803,1596996,1194,OVER:Ends:1597816-1597547-1595166-
 ID=NCLIV_001720 - 1 A..ATG
 1610412,1611050,639
 ID=NCLIV_001730 - 4 GGTATGA
 1612152,1612639,488
 1613057,1613281,225
 1613426,1613533,108
 1613671,1613884,214
 ID=NCLIV_001760 - 5 GAGATGA
 1637509,1637699,191
 1637813,1638270,458,END: start -300 GT
 1638834,1639115,282
 1639522,1639719,198
 1642722,1642903,182
 ID=NCLIV_001770 - 12 CCCATGG
 1646176,1646253,78,END:Starts:1645417-1645239-1645390-
 1646721,1646774,54,EXACT,AG-GT
 1647277,1647349,73,START: end -17 GT
 1647931,1648171,241,END: start 5 AG (ref:AC-GT)<< Possible error
 1648803,1649244,442,EXACT,GT
 1650215,1650484,270
 1650761,1650895,135,END: start 2 AG (ref:AC-GT)<< Possible error
 1651239,1651340,102,EXACT,AG-GT
 1651729,1652235,507,EXACT,AG-GT
 1652757,1652906,150,EXACT,AG-GT
 1653456,1653513,58,EXACT,AG-GT
 1653996,1654294,299,START:Ends:1654713-1654652-

ID=NCLIV_001780 - 1 [CT]..ATG[ACT]
1656969,1659515,2547

ID=NCLIV_001810 - 4 A..ATG
1676304,1677112,809,END:Ends:1675332-1677112-
1677310,1677391,82,EXACT,AG
1677765,1677809,45,EXACT,AG-GT
1678716,1678721,6,START:Ends:1679375-1679382-1679356-

ID=NCLIV_001850 - 3 CGGATGG
1699826,1700089,264,END:Starts:1682661-1698632-1698436-
1700422,1701234,813,EXACT,AG-GT
1701701,1702825,1125,START:Ends:1701737-1702952-

ID=NCLIV_001860 - 11 A..ATG
1705468,1705826,359
1706280,1706427,148
1706866,1706998,133
1707451,1707603,153
1708412,1708548,137
1708864,1708962,99
1710142,1712372,2231
1712810,1712929,120
1713700,1714576,877
1715539,1715652,114
1715963,1716286,324

ID=NCLIV_001880 - 5 GCCATGA
1728841,1728934,94
1729288,1729394,107
1730216,1730257,42,EXACT,AG-GT
1730837,1730943,107,EXACT,AG-GT
1731260,1731527,268,START:Ends:1732143-1732701-1732162-

ID=NCLIV_001890 - 14 A..ATG
1734247,1734267,21,END:Starts:1732827-1732819-1733316-
1734817,1734967,151,EXACT,AG-GT
1735750,1735964,215,EXACT,AG-GT
1736527,1736691,165,EXACT,AG-GT
1737087,1737470,384,EXACT,AG-GT
1737860,1737951,92,EXACT,AG-GT
1738534,1738638,105,EXACT,AG-GT
1739080,1739140,61,EXACT,AG-GT
1739618,1740115,498,EXACT,AG-GT
1740371,1740823,453,EXACT,AG-GT
1741513,1741604,92,EXACT,AG-GT
1742234,1742534,301,EXACT,AG-GT
1742847,1742957,111,EXACT,AG-GT
1743238,1743516,279,START:Ends:1745216-1745201-1745137-

ID=NCLIV_001920 - 13 CCCATGG
1758174,1758297,124,END:Starts:1757540-1752842-
1759097,1759378,282,EXACT,AG-GT
1759892,1760041,150,EXACT,AG-GT
1760288,1761067,780,EXACT,AG-GT
1761307,1761556,250,START: end 45 AG-GT
1762024,1762295,272,START: end 4 GT
1762756,1763544,789,END: start -40 AG (ref:AC-GT)<< Possible error
1764202,1764384,183,EXACT,AG-GT
1764790,1764927,138,EXACT,AG-GT
1765209,1765306,98,EXACT,AG-GT
1765586,1765798,213,START: end -21 AG-GT
1765909,1766641,733,END: start 2 AG (ref:AC-GT)<< Possible error
1767199,1767485,287,START:Ends:1767460-1767674-1767617-

ID=NCLIV_001950 - 1 A..ATG
1793066,1794763,1698

ID=NCLIV_001970 - 1 A..ATG
 1801552,1803336,1785
 ID=NCLIV_002020 - 5 A..ATG
 1855854,1856320,467,END:EXACT
 1856741,1857268,528,EXACT,AG-GT
 1857607,1858005,399,EXACT,AG-GT
 1858327,1858669,343,START: end 1404 GT
 1859111,1859302,192,OVER:Ends:1860214-1860073-1858669-
 ID=NCLIV_002030 - 5 CACATGG
 1869594,1870495,902
 1870905,1871264,360
 1871678,1872205,528
 1872558,1872938,381
 1873254,1873503,250
 ID=NCLIV_002040 - 1 CAGATGG
 1874026,1874433,408
 ID=NCLIV_002050 - 3 A..ATG
 1878833,1878932,100
 1879125,1879251,127
 1880225,1881275,1051
 ID=NCLIV_002070 - 11 GCAATGC
 1889553,1889600,48,END:Starts:1888733-1889205-1887634-
 1889957,1890014,58,EXACT,AG-GT
 1890684,1890831,148,EXACT,AG-GT
 1891373,1891441,69,EXACT,AG-GT
 1891893,1892002,110,EXACT,AG-GT
 1892323,1892395,73,EXACT,AG-GT
 1892853,1897278,4426,EXACT,AG-GT
 1897726,1899678,1953,EXACT,AG-GT
 1900093,1900179,87,EXACT,AG-GT
 1900474,1901222,749,EXACT,AG-GT
 1901892,1903380,1489,OVER:Ends:1904742-1904754-
 ID=NCLIV_002090 - 17 A..ATG
 1920442,1920463,22
 1921897,1922002,106
 1922375,1922482,108
 1922891,1922980,90
 1923371,1923428,58
 1924171,1924595,425
 1925182,1925267,86
 1925740,1925801,62
 1926426,1926459,34
 1927015,1927077,63
 1927539,1927635,97
 1928083,1928139,57,END: start 1 AG
 1928367,1928592,226,EXACT,GT
 1929035,1929108,74
 1929532,1929590,59
 1930137,1930378,242
 1930879,1931025,147
 ID=NCLIV_002110 - 6 CCCATGG
 1948639,1948716,78
 1948932,1949039,108
 1949216,1949520,305
 1950065,1950288,224
 1951038,1951183,146
 1952304,1952759,456
 ID=NCLIV_002120 - 17 A..ATG
 1963706,1963847,142,END:Starts:1963029-1963008-1963031-
 1964238,1964368,131,EXACT,AG-GT

1964614,1964871,258,EXACT,AG-GT
 1965007,1965073,67,EXACT,AG-GT
 1965456,1965636,181,EXACT,AG-GT
 1966045,1966272,228,EXACT,AG-GT
 1966686,1968918,2233,EXACT,GT
 1969149,1975298,6150,EXACT,AG
 1975759,1980168,4410,EXACT,AG-GT
 1980730,1983098,2369,EXACT,AG-GT
 1983236,1984988,1753,EXACT,AG-GT
 1985478,1986327,850,START: end 1 GT
 1986797,1987353,557,END: start 9 AG (ref:AC-GT)<< Possible error
 1987772,1988317,546,EXACT,AG-GT
 1988647,1989840,1194,EXACT,AG-GT
 1990157,1990387,231,EXACT,AG-GT
 1990607,1994038,3432,START:Ends:1996256-1996480-1996336-
 ID=NCLIV_002130 - 1 [CT]..ATG[ACT]
 1998753,2000150,1398
 ID=NCLIV_002140 - 10 A..ATG
 2002225,2002391,167,END:Starts:2000890-2000916-2000903-
 2003503,2003740,238,EXACT,AG-GT
 2004074,2004196,123,EXACT,AG-GT
 2004854,2005003,150,EXACT,AG-GT
 2005166,2005248,83,EXACT,AG-GT
 2005581,2005803,223,EXACT,AG-GT
 2006234,2006503,270,EXACT,AG-GT
 2007059,2007365,307,END: start -6 AG-GT (ref:AC-GT)<< Possible error
 2007899,2009427,1529,EXACT,AG-GT
 2010273,2010854,582,START:Ends:2011230-2011399-2010423-
 ID=NCLIV_002150 - 3 A..ATG
 2015059,2015537,479
 2015758,2015868,111
 2016087,2016144,58
 ID=NCLIV_002160 - 14 A..ATG
 2019678,2019908,231,END:Starts:2019578-2019450-
 2020464,2020604,141,EXACT,AG-GT
 2020885,2023618,2734,EXACT,AG
 2023895,2025219,1325,EXACT,GT
 2025547,2026648,1102,START: end -558 GT
 2027418,2030884,3467,START: end -2064 GT
 2031263,2031632,370,START: end -33 GT
 2031895,2032050,156
 2032144,2033645,1502
 2034151,2034244,94
 2034600,2034758,159
 2035094,2035280,187
 2035799,2037589,1791
 2037927,2038482,556
 ID=NCLIV_002170 - 4 G..ATGG
 2041845,2041877,33
 2042388,2042552,165
 2043107,2043876,770
 2044244,2045213,970
 ID=NCLIV_002190 - 3 [CT]..ATG[ACT]
 2055151,2055450,300,END:Starts:2053683-2053125-2053588-
 2055730,2055808,79,EXACT,AG-GT
 2056307,2056407,101,START:Ends:2056818-2057049-
 ID=NCLIV_002210 - 11 A..ATG
 2068990,2069059,70
 2069650,2069741,92
 2070024,2070171,148

2070537,2070629,93
 2070907,2071015,109
 2071323,2071407,85,END: start 19 AG
 2072055,2072848,794,EXACT,GT
 2073369,2073863,495,END: start 17 AG
 2074253,2080350,6098,END: start 5881 AG
 2080885,2083414,2530,START: end -1882 GT
 2083778,2088704,4927
 ID=NCLIV_002220 - 1 A..ATG
 2091593,2092786,1194
 ID=NCLIV_002230 - 1 A..ATG
 2095258,2096445,1188
 ID=NCLIV_002240 - 1 A..ATG
 2098912,2100120,1209
 ID=NCLIV_002250 - 1 A..ATG
 2102552,2103769,1218
 ID=NCLIV_002260 - 1 A..ATG
 2106228,2107409,1182
 ID=NCLIV_002270 - 9 [CT]..ATG[ACT]
 2111621,2111647,27
 2111703,2112050,348,EXACT,AG-GT
 2112770,2114395,1626,START: end -30 AG-GT (ref:AC-GT)<< Possible error
 2115023,2115243,221,END: start 33 AG-GT (ref:AC-GT)<< Possible error
 2115783,2115929,147,START: end -7 GT
 2116411,2116609,199,END: start 24 AG
 2116755,2117077,323,START: end -15 GT
 2117405,2117491,87,END: start -135 AG
 2117897,2117918,22,START:Ends:2119515-2119539-
 ID=NCLIV_002280 - 35 A..ATG
 2121037,2121127,91
 2121450,2121505,56,END: start -157 AG (ref:AC-GT)<< Possible error
 2122125,2122272,148,EXACT,AG-GT
 2122514,2122708,195,EXACT,AG-GT
 2122870,2123042,173,START: end 343 GT
 2123743,2123915,173
 2124382,2124502,121,END: start 12 AG
 2124816,2124954,139,END: start 30 AG-GT (ref:AC-GT)<< Possible error
 2125473,2125619,147,EXACT,AG-GT
 2125887,2126461,575,EXACT,AG-GT
 2127040,2127258,219,START: end -16 GT
 2127862,2127942,81,END: start 12 AG
 2128106,2128256,151,START: end -87 AG-GT
 2128643,2128711,69,EXACT,AG-GT
 2129182,2129323,142,EXACT,AG-GT
 2129524,2129684,161,EXACT,AG-GT
 2130161,2130245,85,START: end -1 GT
 2130627,2130792,166
 2131018,2131275,258,WITHIN: start 7 and end -1 AG
 2131672,2133267,1596
 2133454,2133757,304,END: start 37 AG
 2134316,2134500,185,EXACT,AG-GT
 2135222,2135376,155,EXACT,AG-GT
 2135990,2136714,725,EXACT,AG-GT
 2137230,2137583,354,START: end -291 GT
 2138119,2138324,206,END: start 7 AG
 2138599,2138791,193,EXACT,AG-GT
 2139775,2139854,80,START: end -34 GT
 2140051,2140182,132,END: start 2 AG
 2140657,2140694,38,EXACT,AG-GT
 2140955,2141390,436,START: end 120 GT

2142372,2142497,126
 2143247,2143552,306
 2144089,2144213,125
 2144350,2144560,211,START:Ends:2145591-2145354-
 ID=NCLIV_002310 - 1 A..ATG
 2154526,2155761,1236
 ID=NCLIV_002330 - 9 A..ATG
 2160263,2160793,531,END:Starts:2159280-2159343-2159353-
 2161096,2161179,84,EXACT,AG-GT
 2161529,2161735,207,EXACT,AG-GT
 2162038,2162362,325,EXACT,AG-GT
 2162650,2162975,326,EXACT,ATG:AG-GT
 2163556,2163702,147,START: end 521 AG-GT
 2163972,2164223,252,END: start -416 AG-GT
 2164464,2164675,212,EXACT,ATG:AG-GT
 2164972,2165125,154,START:Ends:2167133-2168968-
 ID=NCLIV_002350 - 5 GGGATGA
 2178407,2178436,30
 2178702,2178863,162
 2179332,2181029,1698
 2181402,2181613,212
 2181928,2183080,1153
 ID=NCLIV_002370 - 11 CAAATGG
 2189505,2189764,260,OVER:Starts:2189743-2188940-
 2190696,2191813,1118,EXACT,GT
 2192451,2192545,95
 2193097,2193234,138,END: start -31 AG
 2193618,2193907,290,EXACT,AG-GT
 2194503,2194617,115,EXACT,AG
 2194923,2194982,60,START: end 78 GT
 2195573,2195902,330,END: start 185 Info:AG-GT-AG-GC-
 2196203,2198629,2427,EXACT,GT
 2199078,2199470,393
 2200110,2200664,555
 ID=NCLIV_002390 - 2 A..ATG
 2209162,2209319,158,END:Starts:2205508-2205553-2205220-
 2209926,2210235,310,START:Ends:2210581-2214078-2210368-
 ID=NCLIV_002430 - 10 A..ATG
 2233633,2233765,133
 2235733,2235854,122,END: start -599 AG (ref:AC-GT)<< Possible error
 2236279,2236347,69,EXACT,AG-GT
 2236506,2236592,87,EXACT,AG-GT
 2237305,2237545,241,EXACT,AG-GT
 2238282,2238932,651,EXACT,AG-GT
 2239546,2239644,99,EXACT,AG-GT
 2239967,2240160,194,EXACT,GT
 2240728,2240889,162,EXACT,AG
 2241508,2241750,243,START:Ends:2241810-2242436-

CHROMOSOME 1b – FORWARD

ID=NCLIV_002450 + 11 A..ATG
 9769,11499,1731
 12121,12613,493
 13746,13840,95
 14853,14939,87
 15230,20519,5290
 20643,23194,2552
 23598,24179,582,END: start 7 GT (ref:AG-GT)<< Possible error
 24343,24609,267,EXACT,AG-GT

25152,25267,116,EXACT,AG-GT
 25849,25920,72,START: end 530 AG
 26246,26273,28,OVER:Ends:26361-26450-26451-
 ID=NCLIV_002490 + 5 A..ATG
 50684,50926,243,END:Starts:46049-50480-50489-
 51347,51428,82,EXACT,AG-GT
 52007,52107,101,EXACT,AG-GT
 52812,53103,292,EXACT,AG-GT
 53409,54022,614,START:Ends:56599-58470-55044-
 ID=NCLIV_002500 + 10 G..ATGG
 62370,62391,22
 62831,62982,152
 63414,63591,178
 64115,64303,189
 64959,65187,229
 65341,65496,156
 66065,66158,94
 66571,66725,155
 67327,67712,386
 68300,68361,62
 ID=NCLIV_002510 + 20 A..ATG
 70540,70653,114,END:EXACT
 71153,71291,139,EXACT,AG-GT
 71862,72001,140,EXACT,AG-GT
 72321,72448,128,START: end -1 AG
 72842,73031,190,END: start 5 GT
 73576,73768,193,EXACT,AG
 74197,74282,86,EXACT,AG-GT
 74565,74704,140,EXACT,AG-GT
 75106,75304,199,EXACT,AG-GT
 75625,75753,129,EXACT,AG-GT
 76247,76370,124,EXACT,AG-GT
 76673,76761,89,EXACT,AG-GT
 77261,77329,69,EXACT,AG-GT
 77690,77823,134,EXACT,AG-GT
 78222,78279,58
 78466,78508,43
 78874,78936,63
 79143,79184,42
 79962,80083,122,END: start -664 GT
 80538,80624,87,START:Ends:81202-81137-
 ID=NCLIV_002530 + 9 A..ATG
 88928,89054,127,OVER:Starts:88456-88472-
 89674,89859,186,END: start 18 GT
 90327,90452,126,EXACT,AG-GT
 90652,90753,102,EXACT,AG-GT
 91307,91503,197,EXACT,AG-GT
 91724,91933,210,EXACT,AG
 92344,92514,171,END: start -1 GT (ref:AG-GT)<< Possible error
 92994,93290,297,EXACT,AG-GT
 93737,93880,144,START:Ends:95524-95337-95363-
 ID=NCLIV_002550 + 53 [CT]..ATG[ACT]
 104292,104425,134
 105988,106115,128
 106488,107420,933
 108189,108390,202
 109005,110130,1126
 110828,110934,107
 111257,111870,614
 112318,112419,102

112918,113070,153
113669,114042,374
114636,115287,652
115915,116162,248
117143,117199,57
117734,117882,149
118458,118507,50
119157,119348,192
119796,119829,34
120470,120557,88
121077,121255,179
121789,121908,120
122552,122967,416,EXACT,GT
123306,123587,282,EXACT,AG
124446,124560,115
125297,125647,351,EXACT,GT
126247,126496,250,EXACT,AG-GT
127153,127606,454,EXACT,AG-GT
128143,128282,140,START: end -34 AG
128478,128554,77
128867,128916,50,END: start -1 GT
129325,129466,142,EXACT,AG-GT
130030,131870,1841,EXACT,AG
132457,132770,314
133404,134083,680,END: start 285 GT (ref:AG-GT)<< Possible error
134711,134943,233,EXACT,AG-GT
135402,135844,443,EXACT,AG-GT
136474,136592,119,EXACT,AG-GT
137045,137642,598,EXACT,AG-GT
138199,139015,817,START: end -17 AG
139376,139578,203,OVER: start -79 and end 568 GT
139911,140146,236,END: start -614 GT
140514,140696,183,EXACT,AG-GT
141056,141092,37,EXACT,AG-GT
141221,141799,579,EXACT,AG-GT
142486,142571,86,EXACT,AG-GT
143099,143261,163,EXACT,AG-GT
143738,144018,281,EXACT,AG-GT
144382,144834,453,EXACT,AG-GT
145333,145488,156,EXACT,AG-GT
145844,146141,298,EXACT,AG-GT
146632,147072,441,EXACT,AG-GT
147443,147674,232,EXACT,AG-GT
148302,148357,56,EXACT,AG-GT
148951,149007,57,START:Ends:149279-149031-149068-
ID=NCLIV_002560 + 3 A..ATG
151051,151242,192
151796,152527,732,EXACT,GT
152861,153538,678,START:Ends:154205-154219-154533-
ID=NCLIV_002580 + 1 GCCATGA
160867,162666,1800
ID=NCLIV_002600 + 8 G..ATGG
172656,172669,14
174612,175152,541
175486,175599,114
176165,176470,306
177260,177346,87
177789,177875,87
178069,178155,87
178383,178616,234

ID=NCLIV_002620 + 17 A..ATG
 200927,200967,41
 201164,201268,105
 201933,202003,71
 202551,202690,140
 202927,202971,45
 203565,203693,129
 204062,204120,59
 204824,204934,111
 205410,205563,154
 206075,206288,214
 206663,206883,221
 207994,208132,139
 208609,208883,275
 209410,209489,80
 210321,210419,99
 210727,210850,124
 212153,212275,123
 ID=NCLIV_002640 + 5 A..ATG
 219678,219734,57,END:EXACT
 220060,220097,38,EXACT,AG-GT
 220507,220571,65,EXACT,AG-GT
 220956,221017,62,EXACT,AG-GT
 221150,221275,126,START:EXACT
 ID=NCLIV_002660 + 7 A..ATG
 228776,228956,181,END:EXACT
 229238,229375,138,EXACT,AG-GT
 229813,229911,99,EXACT,AG-GT
 230398,230535,138,EXACT,AG-GT
 231101,231205,105,EXACT,AG-GT
 231928,231974,47,START: end 1501 AG
 232582,232662,81,OVER:Ends:233475-233584-232207-
 ID=NCLIV_002670 + 11 A..ATG
 235608,236479,872,END:Starts:235119-235123-
 236989,237695,707,EXACT,AG-GT
 238219,239262,1044,START: end 338 AG
 239694,239832,139
 240328,240763,436,END: start 2 GT
 241236,241389,154,EXACT,AG-GT
 241579,241687,109,EXACT,AG-GT
 242213,242745,533,EXACT,AG-GT
 243116,243266,151,EXACT,AG-GT
 243970,244071,102,EXACT,AG-GT
 244495,245158,664,START:Ends:245280-245348-245507-
 ID=NCLIV_002680 + 8 A..ATG
 259993,260237,245,END:Starts:259062-259064-259195-
 260924,261144,221,EXACT,AG-GT
 261424,261761,338,EXACT,ATG:AG-GT
 262297,262360,64,EXACT,AG-GT
 262837,262928,92,EXACT,AG-GT
 263432,263575,144,EXACT,ATG:AG-GT
 264060,264421,362,EXACT,AG-GT
 264989,265088,100,START:Ends:265361-265259-265306-
 ID=NCLIV_002710 + 2 A..ATG
 288329,288374,46
 288877,291122,2246
 ID=NCLIV_002720 + 1 A..ATG
 293673,297155,3483
 ID=NCLIV_002730 + 7 A..ATG
 299062,299279,218

299337,299401,65
299462,299521,60
299576,299646,71
299701,299770,70
299805,299884,80
299941,300033,93
ID=NCLIV_002760 + 10 [CT]..ATG[ACT]
312060,312528,469,END:EXACT
312938,313128,191,EXACT,AG-GT
313671,313826,156,EXACT,AG-GT
314047,314240,194,EXACT,AG-GT
314736,314838,103,START: end -2 AG
315224,315321,98,END: start 4 GT
315516,315685,170,EXACT,AG-GT
315813,315928,116,EXACT,AG-GT
316320,316387,68,EXACT,AG-GT
316898,316979,82,START:Ends:318209-318131-318182-
ID=NCLIV_002770 + 5 A..ATG
321269,321825,557,END:EXACT
322355,322527,173,EXACT,AG-GT
323011,323113,103,EXACT,AG-GT
323601,323749,149,EXACT,TAG|TGA|TAA:AG-GT
324182,324357,176,START:Ends:325201-325612-325222-
ID=NCLIV_002790 + 49 CTTATGG
330809,332186,1378
333236,333514,279
334130,334581,452
335077,335460,384
336046,336357,312
336945,337133,189
337522,337656,135
338244,338457,214
339165,339236,72
339480,339603,124
340488,340642,155
341036,341283,248
341733,341861,129
342565,342700,136
343085,343232,148
343492,343697,206
345208,345466,259
345764,345890,127
346331,346385,55
346909,347123,215
347502,347580,79
349790,349989,200
350799,350854,56
351260,351427,168
352080,352237,158
353119,353471,353
353634,353867,234
354291,354436,146
354679,354746,68
355226,355314,89
355965,356118,154
356810,356919,110
357371,357422,52
357708,357867,160
358165,358370,206
358858,358966,109

359946,360163,218
 360782,360997,216
 362282,362452,171
 362854,362976,123
 363545,363751,207
 364355,364458,104
 365098,365223,126
 365441,365478,38
 365941,366070,130
 366925,367231,307
 367623,367891,269
 369018,369320,303
 369924,370100,177
 ID=NCLIV_002800 + 31 [CT]..ATG[ACT]
 370417,370650,234,END:EXACT
 371060,371488,429,EXACT,AG-GT
 371808,372125,318,EXACT,AG-GT
 372824,372975,152,EXACT,AG-GT
 373447,373725,279,EXACT,AG-GT
 374311,374630,320,EXACT,AG-GT
 375019,375341,323,EXACT,AG-GT
 375835,375917,83,EXACT,TAG|TGA|TAA:AG-GT
 376593,376743,151,EXACT,AG-GT
 377559,377774,216,EXACT,AG-GT
 378206,378566,361,EXACT,AG-GT
 379425,379680,256,EXACT,AG-GT
 380294,380662,369,EXACT,AG-GT
 381066,381366,301,EXACT,AG-GT
 381766,381885,120,EXACT,AG-GT
 382242,382473,232,START: end -115 AG-GT (ref:AG-GT)<< Possible error
 382993,383117,125,END: start 35 AG-GT (ref:AG-GT)<< Possible error
 383529,383708,180,EXACT,AG-GT
 384174,384305,132,EXACT,AG-GT
 385020,385135,116,EXACT,AG-GT
 385613,385730,118,EXACT,AG-GT
 386743,386805,63,EXACT,AG-GT
 387226,387461,236,EXACT,AG-GT
 387700,387850,151,EXACT,AG
 388765,389171,407,EXACT,AG-GT
 389571,389692,122,EXACT,AG-GT
 390263,390387,125,EXACT,AG-GT
 390746,390858,113,EXACT,AG-GT
 391327,391366,40,EXACT,AG-GT
 392039,392077,39,EXACT,AG-GT
 392767,392958,192,START:EXACT
 ID=NCLIV_002810 + 4 GAGATGA
 394028,394408,381,END:EXACT
 394975,395219,245,START: end -171 AG-GT (ref:AG-GT)<< Possible error
 395623,395791,169,END: start 47 AG-GT (ref:AG-GT)<< Possible error
 396285,397232,948,OVER:EXACT
 ID=NCLIV_002820 + 12 [CT]..ATG[ACT]
 399644,399792,149,END:EXACT
 400106,400184,79,EXACT,AG-GT
 400945,401068,124,EXACT,AG-GT
 401570,401750,181,EXACT,AG-GT
 402110,402134,25,EXACT,AG-GT
 402496,402636,141,START: end 1005 GT
 403525,403641,117,END: start -1029 GT
 404054,404497,444,EXACT,AG-GT
 404802,405044,243,EXACT,AG-GT

405596,405858,263,EXACT,AG-GT
 406239,406317,79,START: end 17 AG-GT
 407383,407508,126,START:Ends:409578-409708-
 ID=NCLIV_002840 + 5 GAGATGT
 418534,418797,264
 419377,420999,1623,END: start -593 GT (ref:AG-GT)<< Possible error
 421659,421730,72,EXACT,AG-GT
 422058,422273,216,EXACT,AG-GT
 423038,423163,126,START:Ends:424058-424068-424241-
 ID=NCLIV_002890 + 1 G..ATGG
 454058,455476,1419
 ID=NCLIV_002900 + 9 [CT]..ATG[ACT]
 463351,463908,558
 464904,465022,119
 465709,465859,151
 466122,466562,441
 467051,468385,1335
 469002,469672,671
 469937,470021,85
 470205,471254,1050
 471601,471711,111
 ID=NCLIV_002920 + 3 A..ATG
 484877,485308,432
 486213,486315,103
 487001,487887,887
 ID=NCLIV_002930 + 1 GCCATGA
 493480,500769,7290
 ID=NCLIV_002940 + 1 A..ATG
 504529,506316,1788
 ID=NCLIV_002960 + 18 [CT]..ATG[ACT]
 521255,523504,2250
 524074,525319,1246
 525723,525921,199
 526449,528130,1682
 528854,529267,414
 529600,530912,1313,END: start 831 GT
 531550,531968,419,START: end -20 AG
 532454,532575,122
 533346,533463,118
 533743,533835,93
 534378,534564,187
 535041,535184,144
 535610,536508,899,END: start -73 GT
 536976,537050,75,EXACT,AG-GT
 537727,537991,265,START: end 3 AG
 538375,538462,88,END: start 41 GT
 539306,539657,352,EXACT,AG
 540182,540368,187
 ID=NCLIV_002980 + 3 [CT]..ATG[ACT]
 559963,560097,135
 560237,560440,204
 560861,561076,216
 ID=NCLIV_003010 + 2 GAAATGC
 574456,575055,600
 575505,577067,1563
 ID=NCLIV_003020 + 8 CCTATGG
 580189,581823,1635,END:Starts:579721-579653-
 582122,582253,132,EXACT,ATG:AG-GT
 582385,582929,545,EXACT,AG-GT
 583317,583635,319,EXACT,AG-GT

584297,584830,534,EXACT,AG-GT
585355,585699,345,EXACT,AG-GT
586280,586366,87,EXACT,AG-GT
586786,586953,168,START:EXACT
ID=NCLIV_003040 + 1 A..ATG
596501,599344,2844
ID=NCLIV_003050 + 5 A..ATG
601812,602056,245,END:Starts:601350-601367-601271-
602553,602638,86,END: start -67 AG-GT (ref:AG-GT)<< Possible error
603136,603353,218,EXACT,AG-GT
603567,605478,1912,EXACT,AG-GT
605702,606612,911,START:Ends:606796-606785-606781-
ID=NCLIV_003060 + 8 A..ATG
612820,612988,169,END:Starts:612668-611691-
613543,613673,131,START: end 2418 AG-GT
614387,614476,90,END: start -8 GT
614875,614939,65,EXACT,AG
615464,615775,312,OVER: start -1921 and end 316 AG-GT
616025,616091,67,END: start -2482 AG-GT
616175,616535,361,EXACT,AG-GT
616657,616742,86,START:Ends:622549-622548-
ID=NCLIV_003090 + 17 A..ATG
653318,653444,127,END:Starts:651777-651824-651684-
654016,654143,128,START: end 2 AG
654635,655330,696,END: start 15 AG-GT
655612,655735,124,EXACT,AG-GT
656256,656449,194,START: end 23 AG
656604,656757,154,END: start 18 GT (ref:AG-GT)<< Possible error
657208,657445,238,EXACT,AG-GT
657738,657843,106,EXACT,AG-GT
658137,658241,105,EXACT,AG-GT
658564,658653,90,EXACT,AG-GT
658759,658863,105,EXACT,AG-GT
659350,659473,124,EXACT,AG-GT
659784,659959,176,EXACT,AG-GT
660347,660584,238,EXACT,AG-GT
661035,661156,122,EXACT,AG-GT
661448,661808,361,EXACT,AG-GT
662310,662323,14,START:Ends:665353-664670-663962-
ID=NCLIV_003110 + 1 A..ATG
669082,669717,636
ID=NCLIV_003140 + 3 A..ATG
694250,694763,514
695476,695517,42
696300,697303,1004,WITHIN:EXACT
ID=NCLIV_003150 + 1 GAGATGT
697882,700053,2172,OVER:Ends:700896-700993-
ID=NCLIV_003160 + 15 G..ATGG
704445,704764,320,END:Starts:702214-701090-
705416,705492,77,EXACT,AG-GT
706031,706169,139,EXACT,AG-GT
706602,706663,62,START: end 245 AG
707138,707208,71,END: start -120 GT
707612,707812,201,EXACT,AG-GT
708527,708628,102,EXACT,AG-GT
709277,709331,55,EXACT,AG-GT
709909,710008,100,EXACT,AG-GT
710541,710661,121,EXACT,AG-GT
711050,711121,72,EXACT,AG-GT
711562,711699,138,EXACT,AG-GT

711954,712112,159,EXACT,AG-GT
 712408,712488,81,EXACT,AG-GT
 712962,713039,78,START:Ends:713953-715640-713973-
 ID=NCLIV_003170 + 9 CCAATGG
 716399,717190,792,END:Starts:715854-715859-716528-
 717575,717725,151,EXACT,AG-GT
 718349,718490,142,EXACT,AG-GT
 719118,720632,1515,EXACT,AG-GT
 721235,721336,102,EXACT,ATG:AG-GT
 721840,721994,155,EXACT,AG-GT
 722502,722567,66,EXACT,AG-GT
 722963,723108,146,EXACT,AG-GT
 723699,723899,201,START:Ends:725240-725759-724114-
 ID=NCLIV_003180 + 1 GTCATGA
 726838,727782,945,OVER:Starts:725838-725467-724672-
 ID=NCLIV_003200 + 4 [CT]..ATG[ACT]
 738820,738888,69
 739390,739453,64,EXACT,AG-GT
 740189,740331,143,EXACT,AG-GT
 740669,742432,1764,START:Ends:743879-743897-743947-
 ID=NCLIV_003220 + 11 A..ATG
 755027,755188,162,END:Starts:754222-754228-754220-
 755555,755695,141,EXACT,AG-GT
 756453,756552,100,EXACT,AG-GT
 757047,757188,142,EXACT,AG-GT
 757476,757612,137,EXACT,AG-GT
 758090,758135,46,EXACT,AG-GT
 758293,758455,163,EXACT,AG-GT
 759231,759317,87,EXACT,AG-GT
 759804,759969,166,EXACT,AG-GT
 760496,760655,160,START: end 2646 AG
 761150,761291,142,OVER:Ends:764847-763301-
 ID=NCLIV_003270 + 5 A..ATG
 793347,793563,217,END:Starts:792217-793027-792379-
 794008,794117,110,EXACT,AG-GT
 794694,794855,162,EXACT,AG-GT
 795225,795465,241,EXACT,AG-GT
 796203,796273,71,START:Ends:796760-796266-796579-
 ID=NCLIV_003290 + 2 A..ATG
 802556,802610,55
 802930,803357,428
 ID=NCLIV_003300 + 3 A..ATG
 805127,805453,327,END:Starts:804752-804737-804765-
 806014,806217,204,EXACT,AG-GT
 806489,806617,129,START:Ends:807688-807749-807821-
 ID=NCLIV_003320 + 7 [CT]..ATG[ACT]
 814417,814548,132,END:Starts:813551-813766-813788-
 814967,815093,127
 815380,815467,88
 815805,815936,132
 816272,816365,94,END: start -6 GT
 816981,817138,158,EXACT,AG-GT
 817455,817542,88,START:Ends:817817-817842-817814-
 ID=NCLIV_003325 + 5 A..ATG
 819251,819644,394
 820073,820165,93
 820501,822071,1571
 822531,822680,150
 822974,823225,252
 ID=NCLIV_003360 + 1 A..ATG

857334,857891,558
 ID=NCLIV_003370 + 5 G..ATGG
 865177,868158,2982
 868707,868777,71
 869151,870292,1142,WITHIN: start 135 and end -727 GT
 871820,872249,430
 872858,872885,28
 ID=NCLIV_003390 + 1 A..ATG
 883106,883870,765
 ID=NCLIV_003400 + 1 A..ATG
 887200,888474,1275
 ID=NCLIV_003420 + 2 A..ATG
 934363,934743,381,END:EXACT
 935092,936405,1314,START:Ends:936619-936743-936729-
 ID=NCLIV_003440 + 2 A..ATG
 949756,950442,687,END:Starts:949634-949590-949632-
 950850,951293,444,START:Ends:951901-951917-951969-
 ID=NCLIV_003470 + 10 A..ATG
 971864,972014,151
 972531,973082,552
 973356,973622,267
 973819,974031,213
 974200,974370,171
 975400,975612,213
 976216,976440,225
 976606,976782,177
 977065,977287,223
 977773,978049,277
 ID=NCLIV_003500 + 1 G..ATGG
 984702,985202,501
 ID=NCLIV_003530 + 2 A..ATG
 1003376,1003403,28,END:Starts:1000902-1002852-1002728-
 1004073,1004377,305,START:Ends:1004349-1004466-1004468-
 ID=NCLIV_003560 + 3 A..ATG
 1025967,1027314,1348,END:Starts:1024847-1025028-
 1027770,1027903,134,EXACT,AG-GT
 1028275,1028652,378,START:Ends:1029307-1029575-
 ID=NCLIV_003590 + 1 A..ATG
 1047538,1048830,1293
 ID=NCLIV_003610 + 12 A..ATG
 1058579,1059367,789,END:Starts:1058156-1058135-1058165-
 1060289,1060379,91,EXACT,AG-GT
 1060869,1060951,83,START: end 90 AG
 1061330,1061617,288,END: start 2 GT (ref:AG-GT)<< Possible error
 1062108,1062264,157,EXACT,AG-GT
 1062766,1062841,76,EXACT,AG-GT
 1063474,1063604,131,EXACT,AG-GT
 1064572,1064810,239,EXACT,AG-GT
 1065258,1065382,125,END: start 54 TAGITGAITAA:AG-GT
 1065857,1065993,137,EXACT,AG-GT
 1066602,1066925,324,EXACT,AG-GT
 1067277,1067308,32,START:Ends:1067948-1067884-
 ID=NCLIV_003620 + 8 TCCATGG
 1070453,1071122,670,END:EXACT
 1071715,1071839,125,EXACT,AG-GT
 1072073,1072440,368,EXACT,AG-GT
 1072874,1073463,590,EXACT,AG-GT
 1073978,1074080,103,START: end 5 AG (ref:AG-GT)<< Possible error
 1074309,1074431,123,END: start -103 GT
 1076529,1076807,279,END: start -1476 AG-GT (ref:AG-GT)<< Possible error

1077332,1079369,2038,START:Ends:1082508-1079338-1079821-
 ID=NCLIV_003640 + 7 A..ATG
 1090612,1090752,141,END:EXACT
 1091394,1092215,822,EXACT,AG-GT
 1092609,1093201,593,END: start 99 AG-GT (ref:AG-GT)<< Possible error
 1093443,1093556,114,EXACT,AG-GT
 1094218,1094584,367,EXACT,AG-GT
 1094944,1095636,693,EXACT,AG-GT
 1096048,1096293,246,START:Ends:1098049-1098050-1098053-
 ID=NCLIV_003670 + 9 A..ATG
 1124063,1126600,2538,END:Starts:1122693-1122699-1124090-
 1126944,1127020,77,EXACT,AG-GT
 1127654,1127728,75,EXACT,AG-GT
 1127976,1128240,265,EXACT,AG-GT
 1128553,1128717,165,EXACT,AG-GT
 1129097,1129177,81,EXACT,AG-GT
 1129658,1129747,90,EXACT,AG-GT
 1129998,1130074,77,EXACT,AG-GT
 1130507,1131797,1291,START:EXACT
 ID=NCLIV_003690 + 14 [CT]..ATG[ACT]
 1140759,1140853,95
 1141234,1141286,53
 1141498,1141571,74
 1142045,1142137,93
 1142691,1142889,199
 1143388,1143482,95
 1144201,1144360,160
 1144825,1144934,110
 1145608,1145809,202
 1146232,1146368,137
 1146564,1146632,69
 1147451,1147504,54
 1148335,1148451,117
 1148956,1149132,177
 ID=NCLIV_003710 + 4 A..ATG
 1153828,1153961,134,END:Starts:1153098-1153109-1153117-
 1154539,1154646,108,EXACT,AG-GT
 1155056,1155210,155,EXACT,AG-GT
 1155909,1156063,155,START:Ends:1156313-1156308-1156314-
 ID=NCLIV_003720 + 2 A..ATG
 1160019,1165834,5816
 1165941,1166004,64,OVER:Starts:1161268-1160764-1169553-
 ID=NCLIV_003740 + 1 G..ATGG
 1167114,1171241,4128
 ID=NCLIV_003760 + 3 [CT]..ATG[ACT]
 1185998,1186546,549,END:Starts:1185058-1186126-
 1187318,1188517,1200,START: end 862 AG
 1188802,1189203,402,OVER:Ends:1188517-1189379-
 ID=NCLIV_003780 + 1 [CT]..ATG[ACT]
 1195809,1197173,1365
 ID=NCLIV_003800 + 3 A..ATG
 1211972,1214969,2998,END:Starts:1214564-1212618-1211149-
 1215589,1215779,191,EXACT,AG-GT
 1215958,1221987,6030,START:Ends:1222955-1224272-1224257-
 ID=NCLIV_003810 + 1 [CT]..ATG[ACT]
 1224859,1227642,2784
 ID=NCLIV_003830 + 1 A..ATG
 1249312,1250424,1113
 ID=NCLIV_003850 + 8 GCTATGC
 1261440,1262328,889

1263099,1263524,426,END: start -27 GT
 1263787,1264424,638,EXACT,AG
 1264658,1264745,88
 1265000,1265053,54
 1265579,1265641,63
 1265910,1266392,483
 1267242,1267282,41
 ID=NCLIV_003875 + 6 [CT]..ATG[ACT]
 1286050,1287103,1054
 1287943,1287965,23
 1288321,1288383,63
 1289055,1289099,45
 1289993,1290051,59
 1290281,1290434,154
 ID=NCLIV_003880 + 2 GGCATGA
 1293930,1294607,678
 1294705,1294803,99
 ID=NCLIV_003930 + 1 A..ATG
 1309958,1311178,1221
 ID=NCLIV_003950 + 11 A..ATG
 1331551,1331845,295,END:Starts:1330907-1330891-1331033-
 1332144,1332704,561,EXACT,AG-GT
 1333143,1333255,113,EXACT,AG-GT
 1333609,1333675,67,EXACT,AG-GT
 1334152,1334195,44,EXACT,AG-GT
 1334618,1334683,66,EXACT,AG-GT
 1335343,1335375,33,EXACT,AG-GT
 1335572,1335877,306,EXACT,AG-GT
 1336078,1336139,62,EXACT,AG-GT
 1336613,1336855,243,EXACT,AG-GT
 1337269,1337377,109,START:Ends:1337970-1338065-1337899-
 ID=NCLIV_003960 + 2 A..ATG
 1339644,1340087,444,END:Starts:1338731-1338818-1338819-
 1340657,1340917,261,START:Ends:1341092-1341348-1341129-
 ID=NCLIV_003970 + 3 A..ATG
 1342724,1342957,234,END:Starts:1342658-1342641-
 1343058,1343204,147,START: end 29 AG-GT (ref:AG-GT)<< Possible error
 1343382,1343498,117,OVER:Ends:1343927-1343984-1343975-
 ID=NCLIV_003990 + 4 A..ATG
 1348052,1348243,192
 1348488,1348782,295,END: start -10 GT (ref:AG-GT)<< Possible error
 1349182,1349354,173,EXACT,AG-GT
 1349728,1349964,237,START:Ends:1350423-1350420-1350504-
 ID=NCLIV_004010 + 1 A..ATG
 1361875,1362483,609
 ID=NCLIV_004020 + 1 A..ATG
 1365840,1367807,1968
 ID=NCLIV_004040 + 8 A..ATG
 1386040,1386330,291,END:EXACT
 1387213,1387316,104,EXACT,AG-GT
 1387440,1387520,81,EXACT,AG-GT
 1387919,1388096,178,EXACT,AG-GT
 1388414,1388500,87,EXACT,AG-GT
 1388915,1389063,149,EXACT,AG-GT
 1389401,1389491,91,EXACT,AG-GT
 1389718,1390275,558,START:Ends:1398446-1396559-1392606-
 ID=NCLIV_004050 + 1 A..ATG
 1393693,1394958,1266,OVER:Ends:1398446-1396559-1392606-
 ID=NCLIV_004080 + 12 A..ATG
 1407993,1408676,684

1408906,1409011,106
1409618,1409795,178
1410112,1410224,113
1410564,1410754,191
1411585,1411714,130
1412106,1412161,56
1412619,1412798,180
1413281,1413624,344
1414131,1414347,217
1415094,1415327,234
1415877,1416068,192
ID=NCLIV_004100 + 4 A..ATG
1428445,1428549,105,END:Starts:1427128-1426956-
1428809,1429064,256,EXACT,AG-GT
1429397,1429555,159,EXACT,AG-GT
1430316,1430572,257,START:Ends:1430984-1430958-1430900-
ID=NCLIV_004120 + 6 A..ATG
1438786,1438977,192
1439524,1447520,7997,END: start 7961 GT
1447996,1449777,1782,END: start 811 GT (ref:AG-GT)<< Possible error
1450272,1450800,529,EXACT,AG-GT
1451102,1451991,890,EXACT,AG-GT
1452317,1454378,2062,START:Ends:1452930-1454936-1452338-
ID=NCLIV_004130 + 6 G..ATGG
1456924,1457962,1039,END:Starts:1455959-1457462-
1458460,1458546,87,EXACT,AG-GT
1458784,1458878,95,EXACT,AG-GT
1459249,1459330,82,EXACT,AG-GT
1459869,1459920,52,EXACT,AG-GT
1460602,1460752,151,START:Ends:1461772-1461613-
ID=NCLIV_004150 + 5 A..ATG
1471004,1471078,75,END:Starts:1470402-1470463-
1471711,1471826,116,START: end 3 AG
1472372,1472405,34
1472768,1472842,75,EXACT,GT
1473326,1473457,132,START:Ends:1474013-1474058-
ID=NCLIV_004160 + 1 A..ATG
1476686,1477057,372,OVER:Ends:1477338-1477368-
ID=NCLIV_004170 + 1 A..ATG
1479174,1481615,2442
ID=NCLIV_004180 + 10 A..ATG
1487181,1487531,351,END:Starts:1483008-1483266-
1488065,1488097,33,EXACT,AG-GT
1488345,1488490,146,END: start -90 GT
1488882,1488949,68,EXACT,AG-GT
1489448,1489541,94,EXACT,AG-GT
1490028,1490088,61,EXACT,AG-GT
1490697,1490771,75,EXACT,AG-GT
1491485,1491570,86,EXACT,AG-GT
1491977,1492164,188,EXACT,AG-GT
1492292,1492353,62
ID=NCLIV_004200 + 20 A..ATG
1507477,1507677,201,END:Starts:1506430-1506009-
1508309,1509370,1062,END: start 9 GT (ref:AG-GT)<< Possible error
1509828,1509997,170,EXACT,AG-GT
1510157,1510346,190,EXACT,AG-GT
1510875,1511128,254,EXACT,AG-GT
1511552,1511836,285,EXACT,AG-GT
1512151,1512283,133,EXACT,AG
1512718,1512894,177,EXACT,GT

1513161,1513504,344,EXACT,AG-GT
 1513642,1514067,426,EXACT,AG-GT
 1514401,1514749,349,EXACT,AG-GT
 1515199,1515295,97,EXACT,AG-GT
 1515609,1515815,207,EXACT,AG-GT
 1516038,1516193,156,START: end 239 AG
 1516592,1516788,197,END: start 26 GT
 1517352,1517588,237,EXACT,AG-GT
 1518018,1518263,246,EXACT,AG-GT
 1518515,1518664,150,EXACT,AG-GT
 1518976,1519221,246,EXACT,AG-GT
 1519827,1519904,78,START:Ends:1521410-1521280-1521360-
 ID=NCLIV_004210 + 22 A..ATG
 1523662,1524240,579,END:Starts:1522845-1522639-1523338-
 1525194,1525817,624,EXACT,AG-GT
 1526253,1526324,72,EXACT,AG-GT
 1526476,1526566,91,EXACT,AG-GT
 1526920,1527853,934,EXACT,AG-GT
 1528227,1528392,166,EXACT,AG-GT
 1528712,1528958,247,EXACT,AG-GT
 1529401,1529574,174,EXACT,AG-GT
 1529945,1530167,223,EXACT,AG-GT
 1531001,1531172,172,EXACT,AG-GT
 1531654,1531697,44,EXACT,AG-GT
 1532171,1532302,132,EXACT,AG-GT
 1532758,1533075,318,EXACT,AG-GT
 1533507,1533563,57,EXACT,AG-GT
 1533808,1533934,127
 1534253,1534347,95,END: start -2 GT
 1534713,1534932,220,EXACT,AG-GT
 1535200,1535279,80,EXACT,AG-GT
 1535728,1535823,96,EXACT,AG-GT
 1536199,1536581,383,START: end 1821 AG
 1537077,1537264,188,OVER: start -878 and end 1138 AG
 1537867,1537962,96,OVER:Ends:1538402-1538478-1538086-
 ID=NCLIV_004260 + 2 A..ATG
 1563847,1565526,1680
 1565985,1566590,606
 ID=NCLIV_004270 + 11 [CT]..ATG[ACT]
 1569506,1570310,805
 1570819,1571179,361,END: start 5 GT
 1571828,1572078,251,START: end 587 AG-GT
 1572514,1572665,152,END: start -686 AG-GT
 1572961,1573169,209,EXACT,AG-GT
 1573509,1573993,485,EXACT,AG-GT
 1574606,1574803,198,EXACT,AG-GT
 1575372,1575638,267,EXACT,AG-GT
 1576178,1576361,184,EXACT,AG-GT
 1576793,1577100,308,EXACT,AG-GT
 1577552,1577688,137
 ID=NCLIV_004300 + 17 CAGATGG
 1606995,1607141,147,END:Starts:1605319-1605309-1605388-
 1607856,1607931,76,EXACT,AG-GT
 1608359,1608466,108,EXACT,AG-GT
 1608776,1608889,114,EXACT,AG-GT
 1609675,1609837,163,EXACT,AG-GT
 1610132,1610184,53,EXACT,AG-GT
 1610704,1610862,159,EXACT,AG-GT
 1611201,1611454,254,START: end 22 AG
 1611636,1611761,126,END: start -1 GT (ref:AG-GT)<< Possible error

1612117,1612342,226,EXACT,AG-GT
 1612566,1613015,450,EXACT,AG-GT
 1613721,1613794,74,EXACT,AG-GT
 1614110,1614220,111,EXACT,AG-GT
 1614452,1614785,334,EXACT,AG-GT
 1614886,1615014,129,EXACT,AG-GT
 1615240,1615298,59,EXACT,AG-GT
 1615747,1615776,30,START:Ends:1616523-1615834-1616486-
 ID=NCLIV_004310 + 9 GCCATGA
 1620764,1620953,190
 1621408,1621456,49
 1622088,1622154,67
 1622782,1622880,99
 1623257,1623352,96,EXACT,GT
 1623882,1623947,66,EXACT,AG-GT
 1624452,1624523,72,EXACT,AG-GT
 1625344,1625384,41,EXACT,AG-GT
 1625796,1626657,862,START:EXACT
 ID=NCLIV_004320 + 7 A..ATG
 1628188,1629057,870,END:Starts:1627727-1625796-1628147-
 1629539,1629751,213,EXACT,AG-GT
 1630280,1630378,99,START: end -11 AG
 1630576,1630721,146,END: start -14 GT (ref:AG-GT)<< Possible error
 1631147,1631416,270,EXACT,AG-GT
 1631960,1632177,218,START: end -66 AG
 1632592,1634333,1742
 ID=NCLIV_004330 + 5 A..ATG
 1636612,1636830,219,END:Starts:1636180-1636318-1636405-
 1636973,1637002,30,EXACT,AG-GT
 1637104,1637409,306,EXACT,AG-GT
 1637891,1637951,61,START: end 4 Stop Codon:AG-GT
 1639024,1639073,50
 ID=NCLIV_004350 + 17 A..ATG
 1642307,1642862,556,END:Starts:1641840-1641855-1641881-
 1643266,1643486,221,EXACT,AG-GT
 1643662,1643737,76,START: end -13 AG
 1644062,1644112,51
 1644501,1644694,194
 1645226,1645342,117,END: start 1 GT (ref:AG-GT)<< Possible error
 1645937,1646067,131,EXACT,AG-GT
 1646253,1646307,55,EXACT,AG-GT
 1646556,1646601,46,EXACT,AG-GT
 1646992,1647170,179,EXACT,AG-GT
 1647454,1647526,73,EXACT,AG-GT
 1648170,1648260,91,EXACT,AG-GT
 1649610,1649728,119,EXACT,AG-GT
 1649928,1650072,145,EXACT,AG-GT
 1650476,1650545,70,EXACT,AG-GT
 1650746,1650786,41,START: end 462 AG
 1651830,1651890,61
 ID=NCLIV_004370 + 8 [CT]..ATG[ACT]
 1656330,1656669,340,END:Starts:1655419-1655456-
 1657488,1659100,1613,EXACT,AG-GT
 1659344,1659448,105,EXACT,AG-GT
 1659818,1659892,75,START: end -62 AG
 1660656,1661250,595
 1664074,1664354,281,END: start -987 AG-GT (ref:AG-GT)<< Possible error
 1664755,1664834,80,EXACT,AG-GT
 1665261,1665348,88,START:Ends:1667055-1667797-1667043-
 ID=NCLIV_004390 + 3 A..ATG

1670839,1670843,5,END:Starts:1670703-1670676-1670538-
 1671868,1672057,190,EXACT,AG-GT
 1672443,1672961,519,START:Ends:1673386-1673389-1673351-
 ID=NCLIV_004400 + 4 A..ATG
 1677554,1677809,256,END:EXACT
 1678331,1678765,435,EXACT,AG-GT
 1679072,1679401,330,EXACT,AG-GT
 1679772,1680178,407,START:Ends:1682851-1682805-1682876-
 ID=NCLIV_004480 + 6 A..ATG
 1737271,1743845,6575,END:Starts:1737086-1736422-1737007-
 1744334,1744907,574,START: end 2 AG
 1745096,1745251,156,EXACT,GT
 1745723,1745857,135,EXACT,AG-GT
 1746017,1746166,150
 1746582,1751750,5169
 ID=NCLIV_004490 + 12 CAGATGG
 1756781,1757738,958,END:Starts:1755123-1755072-1755073-
 1758024,1758601,578,EXACT,AG-GT
 1758967,1759330,364,START: end -93 AG-GC (ref:AG-GT)<< Possible error
 1759498,1759638,141,EXACT,AG-GT
 1760097,1760492,396,EXACT,AG-GT
 1761012,1761270,259,EXACT,AG-GT
 1761618,1761933,316,EXACT,AG-GT
 1762654,1762829,176,EXACT,AG-GT
 1763081,1763273,193,EXACT,AG-GT
 1763967,1764102,136,EXACT,TAG|TGA|TAA:AG-GT
 1764524,1764663,140,EXACT,AG-GT
 1765291,1765587,297,START:Ends:1766476-1769753-1766973-
 ID=NCLIV_004500 + 1 G..ATGG
 1767840,1769399,1560
 ID=NCLIV_004510 + 1 G..ATGG
 1771575,1773152,1578
 ID=NCLIV_004530 + 1 A..ATG
 1788962,1789360,399
 ID=NCLIV_004540 + 1 A..ATG
 1790145,1791275,1131
 ID=NCLIV_004550 + 4 A..ATG
 1793921,1793964,44
 1794234,1800757,6524,END: start 4205 GT
 1801205,1802079,875,START: end -368 AG
 1802446,1802595,150
 ID=NCLIV_004580 + 8 A..ATG
 1815591,1815642,52,OVER:Starts:1814781-
 1816605,1826458,9854,END: start -1824 Code:INTERNAL-
 1827279,1827491,213,EXACT,AG-GT
 1828094,1828195,102,EXACT,AG-GT
 1828709,1828827,119,EXACT,AG-GT
 1829052,1829108,57,EXACT,AG-GT
 1829637,1829706,70,EXACT,AG-GT
 1830431,1830526,96,START:Ends:1831529-1830455-1831812-
 ID=NCLIV_004600 + 5 A..ATG
 1839206,1840564,1359,END:Starts:1836541-1836325-1836991-
 1840791,1841250,460,EXACT,AG-GT
 1841967,1842094,128,EXACT,AG-GT
 1842785,1842847,63,EXACT,AG-GT
 1843113,1843169,57,START:Ends:1843777-1843148-
 ID=NCLIV_004620 + 1 A..ATG
 1855947,1856210,264

CHROMOSOME 1b – REVERSE

ID=NCLIV_002460 - 2 A..ATG
26880,27156,277,END:Starts:26617-26629-
27472,27896,425,START:EXACT

ID=NCLIV_002470 - 2 A..ATG
34695,36654,1960,END:Starts:33769-33760-33601-
36974,39027,2054,START:Ends:40070-40050-40111-

ID=NCLIV_002480 - 9 GCGATGA
44152,44250,99,END:Starts:44093-42892-
44528,44662,135,EXACT,AG-GT
45089,45138,50,START: end 7 AG-GT
45416,45547,132,EXACT,AG-GC
46280,46519,240,END: start 16 AG-GT
47247,47577,331,EXACT,AG-GT
47917,48087,171,EXACT,AG-GT
48730,49122,393,START: end 1657 GT
49687,49719,33,OVER:Ends:49564-50779-

ID=NCLIV_002520 - 5 A..ATG
82592,82879,288,END:Starts:82355-82233-82265-
83156,83275,120,EXACT,AG-GT
83454,83737,284,EXACT,AG-GT
84136,84232,97,EXACT,AG-GT
85512,85514,3,START:Ends:85643-85718-85761-

ID=NCLIV_002540 - 9 G..ATGG
95317,95363,47,END:Starts:93792-93754-93791-
96024,96060,37,EXACT,AG-GT
96585,96641,57,EXACT,AG-GT
97046,97232,187,EXACT,AG-GT
98058,98169,112,EXACT,AG-GT
98748,98880,133,EXACT,AG-GT
99065,99104,40,EXACT,AG
99617,99671,55,EXACT,AG-GT
100090,100111,22,START:Ends:100842-100580-100794-

ID=NCLIV_002570 - 3 [CT]..ATG[ACT]
155465,156551,1087
157104,157266,163
157731,158466,736

ID=NCLIV_002590 - 14 A..ATG
165005,165043,39,END:Starts:164163-164201-164155-
165260,165475,216,END: start 78 AG-GT (ref:AC-GT)<< Possible error
165977,166073,97,EXACT,AG-GT
166387,166522,136,START: end 40 AG-GT
167111,167175,65,EXACT,AG-GT
167810,167977,168,EXACT,AG-GT
168571,168683,113,EXACT,AG-GT
169380,169619,240,EXACT,AG-GT
170017,170153,137,EXACT,AG-GT
170383,170469,87,EXACT,AG-GT
170679,170885,207,EXACT,AG-GT
171420,171500,81,EXACT,AG-GT
171761,171853,93,EXACT,AG-GT
172125,172491,367,START:Ends:173137-172903-173155-

ID=NCLIV_002610 - 24 A..ATG
179303,179533,231,END:Starts:178864-178394-178760-
179937,179969,33,EXACT,AG-GT
180408,180474,67,EXACT,AG-GT
180777,181063,287,EXACT,AG-GT
181714,181844,131,EXACT,AG-GT
182210,182378,169,EXACT,AG-GT
182769,182877,109,EXACT,AG-GT

183016,183098,83,EXACT,AG-GT
 183618,183750,133,EXACT,AG-GT
 184060,184270,211,EXACT,AG-GT
 184638,184767,130,EXACT,AG-GT
 185304,185378,75,EXACT,AG-GT
 185492,185619,128,EXACT,AG-GT
 186092,186519,428,EXACT,AG-GT
 187036,187102,67,EXACT,AG-GT
 187387,187506,120,EXACT,AG-GT
 187828,187891,64,EXACT,AG-GT
 188416,188461,46,EXACT,AG-GT
 188742,188879,138,EXACT,ATG:AG-GT
 189314,189539,226,EXACT,AG-GT
 189876,189919,44,EXACT,AG-GT
 190212,190378,167,EXACT,AG-GT
 190932,191113,182,EXACT,AG-GT
 191673,191706,34,START:Ends:192598-192591-
 ID=NCLIV_002630 - 4 A..ATG
 212989,213024,36,END:Starts:212492-212155-212409-
 213339,213551,213,EXACT,AG-GT
 214050,214189,140,EXACT,AG-GT
 214871,214994,124,START:EXACT
 ID=NCLIV_002650 - 1 A..ATG
 222770,223999,1230
 ID=NCLIV_002690 - 9 [CT]..ATG[ACT]
 266505,267089,585
 267485,267652,168,END: start -4 AG
 268143,268199,57,END: start -21 AG-GC
 268670,268755,86,EXACT,AG-GT
 269345,269406,62,EXACT,AG-GT
 269664,269857,194,EXACT,AG-GT
 270215,270444,230,START: end 4 GT
 271174,271274,101,END: start 7 AG (ref:AC-GT)<< Possible error
 271865,274431,2567,START:Ends:277443-272886-277304-
 ID=NCLIV_002700 - 9 A..ATG
 279788,279944,157,END:Starts:279532-278774-
 280457,280524,68,EXACT,AG-GT
 280880,281188,309,START: end 373 GT
 281657,281829,173
 281975,282144,170
 282632,282859,228
 283380,284277,898
 284357,284393,37
 284654,284890,237
 ID=NCLIV_002740 - 2 A..ATG
 300259,300501,243
 300624,300827,204
 ID=NCLIV_002750 - 6 [CT]..ATG[ACT]
 304647,305206,560,END:Starts:303872-303787-303853-
 305526,305635,110,EXACT,AG-GT
 305955,306051,97,EXACT,AG-GT
 306277,306380,104,EXACT,AG-GT
 306489,306646,158,EXACT,AG-GT
 306972,307205,234,START:Ends:307479-307578-307485-
 ID=NCLIV_002780 - 4 A..ATG
 326177,326410,234,END:Starts:326028-326097-326026-
 326823,326919,97,EXACT,AG-GT
 327248,327312,65,EXACT,AG-GT
 327891,327893,3,START:Ends:327992-327991-328003-
 ID=NCLIV_002830 - 13 A..ATG

409551,409626,76,END:Starts:391435-407386-401852-
 410175,410256,82,EXACT,AG-GT
 410685,410805,121,EXACT,AG-GT
 411244,411335,92,EXACT,AG-GT
 411708,411794,87,EXACT,AG-GT
 412242,412325,84,EXACT,AG-GT
 412900,412999,100,EXACT,AG-GT
 413584,413693,110,EXACT,AG-GT
 414360,414483,124,EXACT,AG-GT
 415010,415086,77,EXACT,AG-GT
 415497,415651,155,EXACT,AG-GT
 415847,416069,223,EXACT,AG-GT
 416578,416746,169,START:Ends:418168-418149-418161-
 ID=NCLIV_002850 - 4 A..ATG
 426112,426320,209,END:Starts:425751-425820-425758-
 426686,426819,134,START: end 138 GT
 427180,427331,152
 428106,428282,177
 ID=NCLIV_002860 - 7 CTGATGG
 431316,431407,92,END:Starts:431114-431140-
 431707,431929,223,EXACT,AG-GT
 432255,432356,102,EXACT,AG-GT
 432658,432787,130,END: start 17 AG-GT
 433452,433565,114,OVER: start -31 and end 162 GT
 433850,433980,131,WITHIN: start 19 and end -47 AG-GT
 434567,435346,780,START:Ends:435843-435948-
 ID=NCLIV_002870 - 2 A..ATG
 437691,437838,148,END:Starts:436962-436914-436893-
 438415,438590,176,START:Ends:439295-439088-439501-
 ID=NCLIV_002880 - 10 A..ATG
 443576,444311,736,END:Starts:442746-443261-442805-
 444923,445068,146,EXACT,AG-GT
 445431,445560,130,EXACT,AG-GT
 445995,446098,104,EXACT,AG-GT
 446396,446795,400,EXACT,AG-GT
 447236,447374,139,EXACT,AG-GT
 447951,448107,157,EXACT,GT
 448581,448715,135
 449222,449318,97
 450051,450604,554
 ID=NCLIV_002905 - 3 A..ATG
 472386,472612,227
 472984,473102,119,EXACT,AG
 473409,473977,569,START:Ends:474333-474151-
 ID=NCLIV_002910 - 9 A..ATG
 476181,476389,209,END:Starts:475855-475992-475968-
 476913,477063,151,EXACT,AG-GT
 477650,477761,112,EXACT,AG-GT
 478289,478456,168,EXACT,AG-GT
 478681,479143,463,EXACT,ATG:AG-GT
 479725,479984,260,EXACT,AG-GT
 480452,480819,368,START: end 65 AG-GT
 481341,482240,900,EXACT,AG-GT
 482706,483041,336,START:Ends:483616-483637-
 ID=NCLIV_002950 - 13 [CT]..ATG[ACT]
 508765,508908,144
 509441,509561,121
 509762,509885,124
 510693,510867,175
 511364,511450,87

511915,512095,181
512644,513568,925
513975,514131,157
514843,514952,110
515396,515503,108
516009,516018,10
516541,518551,2011
519719,519798,80
ID=NCLIV_002970 - 6 A..ATG
543405,546185,2781
546768,551077,4310,END: start 3505 AG (ref:AC-GT)<< Possible error
551933,552073,141,EXACT,AG-GT
552242,552343,102,EXACT,AG-GT
552574,552640,67,EXACT,AG-GT
553268,554635,1368,START:EXACT
ID=NCLIV_002990 - 7 A..ATG
563130,563204,75,END:Starts:560861-560919-560902-
563701,564033,333,EXACT,AG-GT
564577,564858,282,EXACT,AG-GT
565102,565293,192,EXACT,AG-GT
565953,566447,495,EXACT,AG-GT
566747,566851,105,EXACT,AG-GT
567317,567433,117,START:Ends:569567-569945-
ID=NCLIV_003000 - 2 A..ATG
571020,572281,1262,END:Starts:570100-570086-570110-
572630,573149,520,START:EXACT
ID=NCLIV_003030 - 3 A..ATG
590755,591099,345,END:EXACT
591392,591653,262,EXACT,AG-GT
592131,592534,404,START:Ends:593322-593434-593324-
ID=NCLIV_003070 - 12 A..ATG
619225,622555,3331,END:Starts:613527-
622701,622773,73,EXACT,AG-GT
623167,623785,619,EXACT,AG-GT
624325,624868,544,EXACT,AG-GT
625302,625660,359,EXACT,AG-GT
626123,626385,263,EXACT,GT
626676,626766,91,EXACT,AG-GT
627323,627390,68,EXACT,AG-GT
628143,628224,82,EXACT,AG-GT
629064,629233,170,EXACT,AG-GT
629768,631984,2217,EXACT,AG-GT
632459,632669,211,START:Ends:634063-633066-634134-
ID=NCLIV_003080 - 17 A..ATG
636615,636971,357,END:Starts:635889-635992-636039-
637482,637603,122,EXACT,AG-GT
638075,638315,241,EXACT,AG-GT
638905,639080,176,EXACT,AG-GT
639440,639563,124,EXACT,AG-GT
640224,640328,105,EXACT,GT
640889,640978,90
641240,641344,105,EXACT,AG
641729,641834,106,EXACT,AG-GT
642486,642726,241,EXACT,AG-GT
643123,643276,154,EXACT,GT
643620,643813,194,EXACT,AG-GT
644101,644224,124,EXACT,AG-GT
644662,645658,997,EXACT,AG-GT
646136,646278,143,END: start -138 AG-GT
646671,646798,128,START: end 2502 GT

647189,647330,142,OVER:Ends:646795-649300-
ID=NCLIV_003100 - 8 A..ATG
663825,663964,140,END:Starts:663543-663557-661495-
664457,664492,36,EXACT,AG-GT
664990,665112,123,EXACT,AG-GT
665869,665973,105,EXACT,AG-GT
666399,666530,132,START: end 51 GT
666833,666880,48,END: start -46 AG (ref:AC-GT)<< Possible error
667504,667626,123,EXACT,AG-GT
668113,668194,82,START:EXACT
ID=NCLIV_003120 - 8 A..ATG
671110,671267,158,END:EXACT
671442,671516,75,EXACT,AG-GT
671946,672068,123,EXACT,AG-GT
672234,672305,72,START: end 292 AG-GT
672595,672680,86
673107,673251,145,OVER: start -8 and end 3 AG-GT
673608,673730,123,EXACT,AG-GT
674039,674123,85,START:Ends:674763-674766-
ID=NCLIV_003125 - 5 [CT]..ATG[ACT]
679713,679790,78,END:Starts:678865-678896-678938-
680668,681568,901,EXACT,AG-GT
681830,681905,76,EXACT,AG-GT
682527,683223,697,EXACT,AG-GT
683541,684965,1425,START:Ends:685440-685438-685688-
ID=NCLIV_003130 - 11 [CT]..ATG[ACT]
687165,687423,259,OVER:Starts:687088-686803-686909-
687764,687801,38,END: start -855 AG (ref:AC-GT)<< Possible error
688051,688692,642,EXACT,AG-GT
689128,689217,90,EXACT,AG-GT
689490,689669,180,EXACT,AG-GT
689929,690013,85,EXACT,AG-GT
690418,690520,103,EXACT,AG-GT
690872,691118,247,EXACT,AG-GT
691466,691541,76,EXACT,AG-GT
691762,691895,134,EXACT,TAG|TGA|TAA:AG-GT
692029,692553,525
ID=NCLIV_003190 - 9 [CT]..ATG[ACT]
729704,729804,101
730118,730216,99
730577,730728,152
731292,731767,476
732150,732277,128
732703,732829,127
733347,733387,41
733765,733911,147
734279,734438,160,START:Starts:734209-734279-
ID=NCLIV_003210 - 11 A..ATG
744788,744988,201,END:Starts:744212-744061-744301-
745548,745655,108,EXACT,AG-GT
746119,746304,186,EXACT,AG-GT
746942,747060,119,START: end 36 AG-GT
747451,748450,1000,EXACT,AG-GT
749067,749335,269,START: end 663 AG-GT
749733,749998,266,END: start -666 AG-GT
750334,750808,475,EXACT,AG-GT
751263,751376,114,EXACT,AG-GT
751549,752039,491,START: end -26 GT
752454,752500,47
ID=NCLIV_003230 - 6 [CT]..ATG[ACT]

762567,763244,678
764151,764640,490
765224,765814,591
766479,766602,124
767380,768193,814
769096,769173,78
ID=NCLIV_003240 - 2 A..ATG
771690,771784,95,END:EXACT
772301,773399,1099,START:EXACT
ID=NCLIV_003250 - 6 A..ATG
780921,781132,212,END:Starts:779832-779851-779845-
781419,781455,37,END: start -42 AG-GT (ref:GT-AC)<< Possible error
781651,782222,572,EXACT,AG-GT
782335,782416,82,EXACT,AG-GT
782607,783025,419,START: end 1707 GT
783172,784336,1165,OVER:Ends:784974-784732-
ID=NCLIV_003260 - 6 A..ATG
786398,786570,173,END:Starts:786070-785804-786005-
786715,786793,79,EXACT,AG-GT
786917,787497,581,END: start 9 AG-GT (ref:TA-TA)<< Possible error
787615,787696,82,EXACT,AG-GT
787816,788237,422,END: start 307 AG-GT (ref:AC-GT)<< Possible error
788347,788710,364
ID=NCLIV_003280 - 2 A..ATG
797531,798619,1089
799028,799258,231
ID=NCLIV_003310 - 6 A..ATG
808492,808551,60,END:Starts:806490-808169-808139-
808924,809031,108,EXACT,AG-GT
809555,809793,239,START: end -3 GT
810430,810489,60,END: start 23 AG
810891,811094,204,EXACT,AG-GT
811506,811773,268,START:EXACT
ID=NCLIV_003330 - 13 A..ATG
823867,824034,168,END:Starts:823637-823730-
824182,824604,423,START: end 96 GT
824981,825077,97
825595,825683,89
826354,826495,142,EXACT,AG
827436,828058,623,EXACT,TAG|TGA|TAA:AG-GT
828617,829053,437,EXACT,AG-GT
829434,829562,129,EXACT,AG-GT
829999,830103,105,EXACT,GT
830530,830632,103
830907,831066,160,END: start -11 AG
831651,832155,505,START: end 59 GT
833508,833583,76
ID=NCLIV_003340 - 1 GTTATGT
836875,838287,1413,OVER:Starts:836138-835758-836145-
ID=NCLIV_003350 - 16 GAAATGC
841122,841869,748,END:Starts:836138-835758-836145-
842339,842478,140,EXACT,AG-GT
842677,842773,97,START: end 101 GT
843129,843287,159
843776,844247,472
844815,845440,626
845902,845966,65
846300,846390,91
846779,846899,121
847218,847278,61

848051,848152,102
 848415,848542,128
 849258,850011,754
 850609,851001,393
 851840,853130,1291
 853697,853854,158
 ID=NCLIV_003380 - 5 A..ATG
 875062,875217,156,OVER:Starts:873884-873881-873925-
 876145,876230,86,EXACT,AG-GT
 876656,876720,65,EXACT,AG-GT
 876832,877014,183,END: start 47 AG-GT
 877544,878163,620
 ID=NCLIV_003410 - 9 TGTATGG
 890642,890833,192
 891271,891496,226,END: start 9 AG (ref:AC-GT)<< Possible error
 891838,892160,323,EXACT,AG-GT
 892397,900268,7872,START: end 15074 GT
 900518,913872,13355,OVER: start -8121 and end 1470 GT
 914278,925262,10985
 925617,925893,277
 926358,928952,2595,START: end -1367 GT
 929926,929974,49
 ID=NCLIV_003430 - 10 A..ATG
 937853,937914,62,END:Starts:937248-937183-937208-
 938288,938360,73,EXACT,AG-GT
 938780,938896,117,EXACT,AG-GT
 939285,939776,492,EXACT,AG-GT
 940205,940549,345,EXACT,AG-GT
 941046,941162,117,START: end 382 GT
 941694,942037,344
 942506,942644,139
 943005,943207,203
 943804,944848,1045
 ID=NCLIV_003450 - 5 G..ATGG
 952936,953205,270
 953882,954200,319
 954677,955071,395
 955311,955718,408
 956567,956902,336
 ID=NCLIV_003460 - 3 GGCATGC
 963033,963235,203,END:Starts:961897-961864-961772-
 963482,963701,220,EXACT,AG-GT
 964116,966446,2331,START:Ends:967807-965308-967986-
 ID=NCLIV_003480 - 1 A..ATG
 980221,981672,1452,OVER:Ends:984052-984062-
 ID=NCLIV_003490 - 1 A..ATG
 982273,983043,771,OVER:Ends:984052-984062-
 ID=NCLIV_003510 - 12 [CT]..ATG[ACT]
 988344,988789,446,END:Starts:984269-987472-987508-
 989062,989239,178,EXACT,AG-GT
 989583,989759,177,EXACT,AG-GT
 989998,990171,174,EXACT,AG-GT
 990676,990763,88,EXACT,AG-GT
 991292,991420,129,EXACT,AG-GT
 991933,992057,125,EXACT,AG-GT
 992453,992578,126,EXACT,AG-GT
 993148,993311,164,EXACT,AG-GT
 993724,993942,219,EXACT,AG-GT
 994344,994375,32,EXACT,AG-GT
 994602,994621,20,START:EXACT

ID=NCLIV_003520 - 4 A..ATG
998338,998925,588,END:Starts:997396-997746-998292-
999247,999630,384,EXACT,AG-GT
1000120,1000497,378,EXACT,AG-GT
1001076,1001459,384,START:Ends:1002459-1002435-1003401-

ID=NCLIV_003540 - 14 A..ATG
1006346,1007494,1149,END:Starts:1006929-1006931-1006938-
1008110,1008169,60,START: end -2 AG-GT
1008467,1008655,189,END: start 17 Info:AG-GT-Stop Codon:AG-GC-
1009231,1009283,53,EXACT,AG-GT
1009636,1010125,490,START: end 311 GT
1010670,1010698,29
1011079,1011202,124,EXACT,AG
1011796,1011882,87,EXACT,AG-GT
1012467,1012591,125,START: end 530 GT
1012913,1012979,67,OVER: start -446 and end 142 GT
1013471,1013499,29
1014150,1014489,340,END: start 17 AG
1014895,1015347,453,START: end -400 AG-GT
1016017,1016064,48

ID=NCLIV_003550 - 1 A..ATG
1023129,1023677,549

ID=NCLIV_003570 - 14 A..ATG
1030247,1030282,36,END:EXACT
1030538,1030603,66,EXACT,AG-GT
1030821,1030875,55,EXACT,AG-GT
1031088,1031170,83,EXACT,AG-GT
1031536,1031612,77,EXACT,AG-GT
1032268,1032368,101,EXACT,AG-GT
1032643,1032731,89,EXACT,AG-GT
1033320,1033520,201,EXACT,AG-GT
1033900,1034019,120,EXACT,AG-GT
1034277,1034426,150,START: end 2 GT
1034753,1034824,72
1035325,1035369,45
1035619,1035716,98,END: start -1 AG
1036277,1036478,202,START:EXACT

ID=NCLIV_003580 - 1 GGGATGT
1040346,1041218,873

ID=NCLIV_003600 - 5 GCAATGC
1050865,1051691,827,OVER:Starts:1048002-
1052375,1053026,652,END: start -4373 Code:INTERNAL-
1053513,1053786,274,EXACT,AG-GT
1054429,1054686,258,EXACT,AG-GT
1055095,1055585,491,START:Ends:1056028-1056187-1056076-

ID=NCLIV_003630 - 7 A..ATG
1082034,1082420,387,END:Starts:1077332-1077118-
1082935,1083099,165,EXACT,ATG:AG-GT
1083284,1083741,458,START: end -113 AG-GT
1083979,1084096,118,EXACT,AG-GT
1084623,1084704,82,EXACT,AG-GT
1085151,1085269,119,EXACT,AG-GT
1085412,1085585,174,START:Ends:1089641-1087700-

ID=NCLIV_003650 - 5 [CT]..ATG[ACT]
1099540,1099604,65,END:Starts:1098185-1099154-1099104-
1100129,1100243,115,EXACT,AG-GT
1100342,1100510,169,EXACT,AG-GT
1100894,1101024,131,EXACT,AG-GT
1101361,1101891,531,START:EXACT

ID=NCLIV_003660 - 4 A..ATG

1105820,1105907,88,END:Starts:1104847-1104999-1104805-
1106666,1113797,7132
1115537,1115631,95
1115684,1115784,101
ID=NCLIV_003680 - 1 A..ATG
1136044,1136250,207,OVER:Starts:1134971-1134854-
ID=NCLIV_003700 - 2 A..ATG
1151077,1151781,705,END:EXACT
1152629,1152712,84,START:EXACT
ID=NCLIV_003730 - 1 [CT]..ATG[ACT]
1166084,1166929,846
ID=NCLIV_003750 - 11 A..ATG
1174588,1174707,120,END:Starts:1172676-1173391-1173396-
1175143,1175516,374,EXACT,AG-GT
1175873,1175985,113,EXACT,AG-GT
1176371,1176454,84,EXACT,AG-GT
1176933,1177038,106,EXACT,AG-GT
1177153,1177228,76,EXACT,AG-GT
1177475,1177666,192,EXACT,AG-GT
1178058,1179144,1087,START: end -54 AG-GT
1179683,1179852,170,START: end 106 GT
1180197,1180514,318,END: start -94 AG (ref:AC-GT)<< Possible error
1180741,1180848,108,START:Ends:1184043-1184051-1184203-
ID=NCLIV_003770 - 4 TCAATGG
1190567,1190938,372
1191582,1191758,177
1192530,1192840,311
1193086,1193647,562
ID=NCLIV_003790 - 7 [CT]..ATG[ACT]
1202393,1202478,86
1202590,1202753,164,EXACT,AG-GT
1203103,1203245,143,START: end -25 AG-GT
1203738,1203741,4,START: end 154 AG-GT
1204375,1204672,298,START: end -39 GT
1204980,1205201,222,END: start 13 AG
1205769,1206144,376,START:Ends:1206842-1205966-
ID=NCLIV_003820 - 13 A..ATG
1235642,1235786,145
1236158,1236223,66,EXACT,AG-GT
1236814,1236951,138,EXACT,AG-GT
1237080,1237204,125,EXACT,AG-GT
1238016,1238126,111,EXACT,AG-GT
1238662,1238723,62,START: end 3421 AG-GT
1239333,1242144,2812,END: start -671 AG-GT
1242455,1242575,121,EXACT,AG-GT
1242924,1243099,176,EXACT,AG-GT
1243425,1243504,80,EXACT,AG-GT
1244127,1244269,143,START: end 8 GT
1244815,1245100,286
1245551,1246376,826,OVER:Starts:1246824-1245500-
ID=NCLIV_003840 - 4 [CT]..ATG[ACT]
1253202,1254128,927,END:Starts:1252987-1252811-
1254486,1255343,858,START: end -708 AG-GT
1255849,1256274,426,EXACT,GT
1256965,1258329,1365
ID=NCLIV_003860 - 1 GGAATGC
1270501,1272027,1527
ID=NCLIV_003870 - 5 A..ATG
1278690,1279201,512,END:Starts:1277946-1278601-1277653-
1279449,1279590,142,EXACT,AG-GT

1280016,1280134,119,EXACT,AG-GT
 1280351,1280446,96,EXACT,AG-GT
 1281055,1281289,235,START:Ends:1281836-1281763-1282093-
 ID=NCLIV_003890 - 5 G..ATGG
 1295737,1295830,94,END:Starts:1295125-1295150-1295117-
 1296058,1296123,66,EXACT,AG-GT
 1296229,1296386,158,EXACT,AG-GT
 1296504,1296652,149,EXACT,AG-GT
 1296780,1297467,688,START:Ends:1297988-1297980-1298057-
 ID=NCLIV_003900 - 3 A..ATG
 1299256,1299318,63
 1299373,1300467,1095
 1300522,1300758,237
 ID=NCLIV_003910 - 8 A..ATG
 1302186,1302347,162
 1302406,1302814,409
 1302882,1303104,223
 1303164,1303225,62
 1303282,1303480,199
 1303535,1303596,62
 1303667,1303754,88
 1303818,1303929,112
 ID=NCLIV_003920 - 4 A..ATG
 1305227,1305437,211,END:Starts:1304832-1305013-1304849-
 1305755,1305836,82,EXACT,AG-GT
 1307430,1307583,154,EXACT,AG-GT
 1307864,1308286,423,START:Ends:1309541-1309100-
 ID=NCLIV_003940 - 10 G..ATGG
 1313434,1315425,1992
 1315840,1316162,323,END: start 287 AG
 1316645,1316849,205,EXACT,AG-GT
 1317200,1320595,3396,START: end -2716 GT
 1321493,1321769,277,END: start -3510 AG
 1322236,1322820,585,EXACT,GT
 1323141,1324088,948,START: end 270 AG
 1324557,1327629,3073,START: end -1073 GT
 1327977,1328089,113
 1328346,1329292,947
 ID=NCLIV_003980 - 5 GCCATGC
 1346517,1346643,127,END:Starts:1344949-1344981-1344985-
 1346767,1347018,252,EXACT,AG-GT
 1347123,1347259,137,EXACT,AG-GT
 1347383,1347462,80,EXACT,AG-GT
 1347556,1347775,220,START:Ends:1348296-1347837-1348309-
 ID=NCLIV_004000 - 8 A..ATG
 1351904,1351980,77,END:Starts:1350899-1351531-1351170-
 1352890,1353379,490,START: end -10 GT
 1353788,1354427,640,END: start 24 AG
 1354802,1355076,275,START: end 3 GT
 1355493,1356240,748,END: start 15 AG (ref:AC-GT)<< Possible error
 1356969,1358155,1187,START: end -962 GT
 1358515,1358606,92,END: start -599 AG
 1358785,1359664,880,START:Ends:1359460-1360198-
 ID=NCLIV_004030 - 18 A..ATG
 1369786,1369872,87,END:Starts:1369437-1369423-
 1370300,1371956,1657,START: end -462 GT
 1372278,1372339,62
 1372739,1372824,86
 1373174,1373323,150
 1373920,1374451,532,END: start -21 AG

1374956,1375350,395,START: end 2 GT
 1376118,1376203,86
 1376712,1376923,212
 1377870,1377994,125
 1378362,1378530,169
 1379090,1379172,83
 1379464,1379602,139
 1380196,1380248,53
 1380418,1380529,112
 1381228,1381374,147
 1381834,1382450,617
 1383098,1383395,298
 ID=NCLIV_004060 - 1 A..ATG
 1396790,1397803,1014
 ID=NCLIV_004070 - 7 [CT]..ATG[ACT]
 1399320,1399400,81
 1399804,1399859,56
 1400261,1400371,111
 1400725,1400797,73
 1401129,1401220,92
 1401795,1401920,126
 1402809,1403145,337
 ID=NCLIV_004090 - 4 GGCATGT
 1420331,1420809,479,OVER:EXACT
 1421561,1421792,232,END: start -3365 AG-GT
 1422033,1422414,382,EXACT,AG-GT
 1422968,1423011,44,START:EXACT
 ID=NCLIV_004110 - 5 G..ATGG
 1431857,1432296,440,END:Starts:1431284-1431321-
 1432438,1432555,118,EXACT,AG-GT
 1432865,1433009,145,START: end 195 GT
 1433548,1433620,73,END: start 38 AG (ref:AC-GT)<< Possible error
 1434224,1434878,655,START:Ends:1435486-1434794-1435480-
 ID=NCLIV_004140 - 3 [CT]..ATG[ACT]
 1464085,1464191,107,END:Starts:1464050-1463947-1463949-
 1464681,1464863,183,EXACT,AG-GT
 1465536,1465701,166,START:EXACT
 ID=NCLIV_004190 - 6 A..ATG
 1498857,1498966,110,END:Starts:1498238-1498349-1498332-
 1499276,1499324,49,EXACT,AG-GT
 1499946,1500252,307,EXACT,AG-GT
 1500477,1500721,245,EXACT,AG-GT
 1501110,1501298,189,EXACT,AG-GT
 1501468,1501854,387,START:EXACT
 ID=NCLIV_004220 - 1 A..ATG
 1539091,1540830,1740
 ID=NCLIV_004230 - 2 A..ATG
 1544074,1544255,182
 1545052,1545478,427
 ID=NCLIV_004240 - 13 A..ATG
 1548203,1548571,369,END:Starts:1547323-1547362-1547278-
 1549303,1549429,127,EXACT,AG-GT
 1549693,1549825,133,EXACT,AG-GT
 1550300,1550383,84,EXACT,AG-GT
 1550501,1550623,123,EXACT,AG-GT
 1551485,1551676,192,EXACT,AG-GT
 1551928,1552003,76,EXACT,TAG|TGA|TAA:AG-GT
 1552447,1552601,155,START: end 5 GT
 1552918,1552998,81
 1553221,1553484,264

1553909,1554043,135
1554414,1555070,657
1555437,1555485,49
ID=NCLIV_004250 - 4 A..ATG
1558618,1558692,75,END:Starts:1558086-1557862-1558010-
1559055,1559435,381,EXACT,AG-GT
1559819,1560231,413,EXACT,AG-GT
1561406,1561658,253,START:Ends:1562051-1561971-1562099-
ID=NCLIV_004280 - 12 GACATGA
1583632,1583743,112,END:Starts:1580613-1582836-1580993-
1584199,1584358,160,EXACT,AG-GT
1585316,1585491,176,EXACT,AG-GT
1586170,1586343,174,EXACT,AG-GT
1586991,1587213,223,EXACT,AG-GT
1587531,1587687,157,EXACT,AG-GT
1588116,1588359,244,EXACT,AG-GT
1588744,1588838,95,START: end 125 GT
1589129,1589284,156
1589769,1589897,129
1590575,1590693,119,END: start 7 AG
1591407,1591950,544,START:Ends:1593861-1593859-
ID=NCLIV_004290 - 6 A..ATG
1600754,1600858,105
1600914,1601129,216,EXACT,AG-GT
1601715,1601873,159,EXACT,AG-GT
1602296,1602372,77
1602761,1602815,55,EXACT,AG-GT
1603969,1604070,102
ID=NCLIV_004340 - 2 A..ATG
1640611,1640747,137,END:Starts:1639835-1640070-1639820-
1640840,1641401,562,START:Ends:1641603-1641561-1641607-
ID=NCLIV_004360 - 1 A..ATG
1653458,1654342,885
ID=NCLIV_004380 - 4 A..ATG
1666633,1666653,21,OVER:Starts:1665350-1666188-1665230-
1667170,1667814,645,EXACT,AG-GT
1668468,1668580,113,EXACT,AG-GT
1668957,1669425,469,START:Ends:1670155-1669891-1670145-
ID=NCLIV_004401 - 1 A..ATG
1684234,1685394,1161
ID=NCLIV_004410 - 1 G..ATGG
1687132,1688286,1155
ID=NCLIV_004411 - 1 A..ATG
1690873,1692033,1161
ID=NCLIV_004420 - 1 A..ATG
1693963,1695114,1152
ID=NCLIV_004421 - 1 G..ATGG
1696860,1698017,1158
ID=NCLIV_004430 - 1 A..ATG
1699768,1700928,1161
ID=NCLIV_004431 - 1 A..ATG
1702369,1703529,1161
ID=NCLIV_004432 - 1 CAAATGG
1712578,1713735,1158
ID=NCLIV_004440 - 1 A..ATG
1716886,1718040,1155
ID=NCLIV_004441 - 1 A..ATG
1719544,1720692,1149
ID=NCLIV_004450 - 1 A..ATG
1722554,1723711,1158

ID=NCLIV_004460 - 1 A..ATG
 1726792,1727961,1170
 ID=NCLIV_004470 - 1 A..ATG
 1731030,1732199,1170
 ID=NCLIV_004471 - 1 TTGATGG
 1734830,1735918,1089
 ID=NCLIV_004520 - 11 G..ATGG
 1775176,1775380,205,END:EXACT
 1776267,1776847,581,START: end 60 GT
 1777201,1777315,115,END: start 35 AG (ref:AC-GT)<< Possible error
 1777448,1777692,245,EXACT,AG-GT
 1778169,1778345,177,START: end 1 GT
 1778823,1778942,120,END: start 4 AG (ref:AC-GT)<< Possible error
 1780477,1780582,106,EXACT,AG-GT
 1781080,1781150,71,EXACT,AG-GT
 1781620,1782461,842,EXACT,AG-GT
 1782922,1785786,2865,EXACT,AG-GT
 1786241,1786745,505,START:Ends:1788068-1787785-1787988-
 ID=NCLIV_004560 - 7 G..ATGG
 1805135,1805404,270,END:Starts:1803452-1804279-1805308-
 1805933,1806093,161,EXACT,AG-GT
 1806484,1806564,81,START: end 27 AG-GT
 1807117,1807173,57,OVER: start -5 and end 108 GT
 1807990,1808098,109,END: start 70 AG
 1808593,1808754,162,EXACT,GT
 1809381,1809437,57
 ID=NCLIV_004570 - 1 G..ATGG
 1812984,1813439,456
 ID=NCLIV_004590 - 6 TTCATGG
 1832590,1832686,97,END:Starts:1832068-1832066-
 1833153,1833898,746,START: end 1373 GT
 1834309,1834356,48,OVER: start -1156 and end 915 GT
 1834691,1834832,142,OVER: start -1538 and end 439 GT
 1835494,1835614,121
 1836325,1836628,304
 ID=NCLIV_004610 - 10 A..ATG
 1845172,1845403,232,END:Starts:1841644-1844444-1844467-
 1846071,1846151,81,EXACT,AG-GT
 1846370,1846474,105,EXACT,AG-GT
 1846689,1846745,57,EXACT,AG-GT
 1847087,1847396,310,EXACT,AG-GT
 1847699,1847817,119,EXACT,AG-GT
 1848137,1848239,103,EXACT,AG-GT
 1848440,1848533,94,EXACT,TAG|TGA|TAA:AG-GT
 1848758,1848891,134,EXACT,AG-GT
 1849398,1849446,49,START:Ends:1850341-1850706-1850748-

CHROMOSOME II – FORWARD

ID=NCLIV_004640 + 7 A..ATG
 58406,58791,386,OVER:Starts:58980-55499-
 59093,59219,127,END: start -3594 GT
 59511,59591,81
 60025,60179,155,EXACT,AG-GT
 60586,60763,178,EXACT,AG-GT
 60969,61088,120,EXACT,AG-GT
 61490,62251,762,START:Ends:63476-64982-65618-
 ID=NCLIV_004660 + 5 A..ATG
 69266,69362,97,END:EXACT
 69837,69968,132,EXACT,AG-GT

70147,70323,177,EXACT,ATG:AG-GT
70679,70797,119,EXACT,AG-GT
71341,71427,87,START:Ends:79961-82430-82560-
ID=NCLIV_004680 + 1 A..ATG
76691,78802,2112,OVER:Ends:79961-82430-82560-
ID=NCLIV_004700 + 2 A..ATG
95878,95913,36
96166,101142,4977
ID=NCLIV_004720 + 5 G..ATGG
119896,120732,837
121535,121726,192
122251,122442,192,START: end 401 GT
122782,122843,62,END: start -531 GT
123516,123636,121,START:Ends:125032-132532-
ID=NCLIV_004730 + 2 A..ATG
126140,127091,952
127164,127354,191
ID=NCLIV_004750 + 6 A..ATG
133186,133727,542,OVER:Starts:132684-132680-132691-
134304,134448,145,END: start 19 AG-GT (ref:AG-GT)<< Possible error
134969,135131,163,EXACT,AG-GT
135558,135748,191,EXACT,AG-GT
136256,136413,158,EXACT,AG-GT
136745,136835,91,START:Ends:137089-137058-
ID=NCLIV_004770 + 2 CAGATGG
145481,146344,864,END:Starts:144951-144948-
146801,147145,345,START:Ends:148300-148283-148436-
ID=NCLIV_004790 + 5 A..ATG
164464,164475,12,END:Starts:164364-164026-164380-
164862,164921,60,EXACT,AG-GT
165104,165262,159,EXACT,AG-GT
165525,165642,118,EXACT,AG-GT
165923,166110,188,START:Ends:166240-166245-166658-
ID=NCLIV_004800 + 15 [CT]..ATG[ACT]
168214,168537,324
168977,169135,159
169659,169775,117
170351,170646,296
171499,171533,35
171951,172059,109
173655,173884,230
174497,174626,130
174983,175184,202
175872,175925,54
176275,176430,156
176737,176759,23
178553,178796,244
179190,179420,231
179664,180281,618
ID=NCLIV_004820 + 8 TCAATGG
197997,198398,402,END:Starts:197037-197532-
198597,198733,137,EXACT,AG-GT
199076,199178,103,EXACT,AG-GT
199387,199789,403,EXACT,AG-GT
199901,199979,79,EXACT,AG-GT
200091,200814,724,END: start 105 AG-GT (ref:AG-GT)<< Possible error
201305,202615,1311,EXACT,AG-GT
202950,203183,234,OVER:Ends:203601-203684-203606-
ID=NCLIV_004821 + 14 [CT]..ATG[ACT]
205922,206035,114,END:Starts:204936-205000-205163-

206472,206791,320,EXACT,AG
 207339,207423,85
 207769,207796,28,END: start 6 GT
 207952,208002,51,EXACT,AG-GT
 208553,208643,91,EXACT,AG-GT
 209300,209510,211,EXACT,AG-GT
 210059,210142,84,EXACT,AG-GT
 210414,210493,80,EXACT,AG-GT
 210766,210885,120,EXACT,AG-GT
 211116,211173,58,EXACT,AG-GT
 211629,211800,172,EXACT,AG-GT
 212075,212222,148,EXACT,AG-GT
 212333,212390,58
 ID=NCLIV_004840 + 9 CCGATGG
 227082,230470,3389
 231161,236373,5213,END: start 4896 GT (ref:AG-GT)<< Possible error
 236838,237076,239,EXACT,AG-GT
 237477,237557,81,EXACT,AG-GT
 238014,238067,54,EXACT,AG-GT
 238577,238681,105,EXACT,AG-GT
 239064,239225,162,EXACT,AG-GT
 239876,239990,115,EXACT,AG-GT
 240400,241970,1571,START:Ends:242427-242497-242489-
 ID=NCLIV_004880 + 2 A..ATG
 285827,286675,849,END:Starts:284309-284310-284319-
 287289,287864,576,START:Ends:289102-291768-289119-
 ID=NCLIV_004890 + 5 A..ATG
 291448,291500,53
 291688,291759,72
 292153,292484,332
 293069,293327,259
 293678,293864,187
 ID=NCLIV_004910 + 5 A..ATG
 302097,302565,469
 302897,303146,250
 303761,303952,192
 304504,304648,145
 305131,308556,3426
 ID=NCLIV_004950 + 8 [CT]..ATG[ACT]
 337498,337977,480,END:EXACT
 338158,338240,83,EXACT,AG-GT
 338554,338704,151,EXACT,AG-GT
 339010,339290,281,EXACT,AG-GT
 339764,339835,72,EXACT,AG-GT
 340339,340452,114,EXACT,ATG:AG-GT
 340755,340884,130,EXACT,AG-GT
 341448,341642,195,START:EXACT
 ID=NCLIV_004960 + 9 A..ATG
 344569,345104,536
 345760,345866,107
 346418,346452,35
 347090,347570,481
 348274,348441,168
 349128,350090,963
 350500,350651,152
 351247,351343,97
 351992,352242,251
 ID=NCLIV_004970 + 1 A..ATG
 354955,356217,1263
 ID=NCLIV_004990 + 7 A..ATG

367821,367946,126,END:EXACT
 368549,368691,143,START: end 1 AG
 369038,369201,164,END: start -23 GT
 369573,369671,99,START: end 66 AG
 370216,370300,85,END: start -3 GT (ref:AG-GT)<< Possible error
 370660,370751,92,EXACT,AG-GT
 371063,371142,80,START:Ends:372014-372189-
 ID=NCLIV_005000 + 11 [CT]..ATG[ACT]
 374760,374834,75,END:EXACT
 375154,375241,88,START: end 2 AG
 375596,376359,764,WITHIN: start 201 and end -150 AG-GT
 376943,377011,69,EXACT,AG-GT
 377563,377668,106,EXACT,AG-GT
 377920,378003,84,EXACT,AG-GT
 378677,378734,58,EXACT,AG-GT
 379243,379623,381,EXACT,AG-GT
 380028,380066,39,EXACT,Info:AG-GC-AG-GT-
 380939,380954,16
 383616,383768,153,START:Ends:383698-383694-383690-
 ID=NCLIV_005010 + 9 G..ATGG
 384475,384712,238,END:EXACT
 385426,385566,141,EXACT,AG-GT
 386153,386410,258,EXACT,ATG:AG-GT
 387301,387561,261,EXACT,AG-GT
 388047,388181,135,START: end -9 AG
 388535,388776,242,END: start -231 GT (ref:AG-GT)<< Possible error
 389086,389202,117,EXACT,AG-GT
 389958,390123,166,EXACT,AG-GT
 390617,390741,125,START:Ends:391195-391640-391658-
 ID=NCLIV_005040 + 3 A..ATG
 402473,402694,222,END:Starts:402185-402144-402217-
 403222,403389,168,EXACT,AG-GT
 403834,403926,93,START:Ends:404330-404334-404291-
 ID=NCLIV_005050 + 9 A..ATG
 407193,407319,127
 407795,407940,146,END: start 1 GT (ref:AG-GT)<< Possible error
 408382,408576,195,EXACT,AG-GT
 409164,409683,520,EXACT,AG-GT
 409844,409930,87,START: end 170 AG
 410342,410421,80
 410878,411036,159
 411373,411519,147,END: start -3 GT (ref:AG-GT)<< Possible error
 411952,412395,444,START:EXACT
 ID=NCLIV_005080 + 1 [CT]..ATG[ACT]
 430986,431741,756
 ID=NCLIV_005110 + 9 [CT]..ATG[ACT]
 446604,448224,1621,END:Starts:445634-445020-
 449235,450209,975,END: start -354 AG-GT (ref:AG-GT)<< Possible error
 450637,451362,726,EXACT,TAG|TGA|TAA:AG-GT
 452786,452937,152,END: start -702 AG-GT
 453494,453579,86,START: end -12 AG
 454225,454394,170,EXACT,GT
 454918,455003,86,EXACT,ATG:AG-GT
 455715,457942,2228,START: end 689 AG
 458361,458715,355
 ID=NCLIV_005120 + 5 TTAATGG
 462496,463104,609,END:Starts:461227-461247-
 463445,463497,53,EXACT,AG-GT
 464127,464187,61,EXACT,AG-GT
 464625,464817,193,START: end 1989 AG

464966,465168,203,OVER:Ends:467225-466462-466806-
ID=NCLIV_005140 + 6 G..ATGG
475813,476965,1153
477225,477697,473,END: start 1 GT
477977,478039,63,EXACT,AG-GT
478330,478743,414,START: end -6 AG
479213,479346,134,END: start -2 GT
479713,480787,1075,START:Ends:479923-481333-
ID=NCLIV_005170 + 2 [CT]..ATG[ACT]
503835,506617,2783
507352,507460,109
ID=NCLIV_005180 + 17 A..ATG
511839,513560,1722,END:Starts:512023-510124-
513972,515132,1161,EXACT,AG
515354,515677,324,EXACT,AG-GT
516020,516132,113,EXACT,AG-GT
516628,516699,72
516762,516864,103,EXACT,AG-GT
517144,517285,142,EXACT,AG-GT
517846,517963,118,EXACT,AG-GT
518434,518533,100,START: end -43 AG
518769,518843,75,END: start -2 GT (ref:AG-GT)<< Possible error
519147,519356,210,EXACT,AG-GT
519819,520339,521,EXACT,AG-GT
520870,520981,112,EXACT,AG-GT
521360,521707,348,EXACT,AG-GT
522041,522220,180,EXACT,AG-GT
522791,522951,161,EXACT,AG-GT
523229,523334,106,START:Ends:524105-524130-524116-
ID=NCLIV_005220 + 6 A..ATG
594577,594848,272,END:Starts:594094-594053-594060-
595378,595494,117,EXACT,AG-GT
596000,596075,76,EXACT,AG-GT
596972,597088,117,EXACT,AG-GT
597832,597904,73,EXACT,AG-GT
598440,598627,188,START:Ends:598974-598976-599065-
ID=NCLIV_005260 + 1 A..ATG
641570,643381,1812
ID=NCLIV_005270 + 4 G..ATGG
646090,646285,196,END:Starts:644906-644807-645359-
647106,647248,143,WITHIN: start 62 and end -6 AG
647972,648217,246,END: start -272 GT
648882,648935,54,START:Ends:651143-651429-
ID=NCLIV_005280 + 6 CAGATGG
659192,661551,2360,END:EXACT
661810,661852,43,EXACT,AG-GT
662252,662684,433,START: end 106 AG
663194,663904,711,END: start -3 GT (ref:AG-GT)<< Possible error
664304,664400,97,EXACT,AG-GT
664928,665015,88,START:Ends:667832-668134-665443-
ID=NCLIV_005300 + 6 TACATGG
689438,689547,110,END:Starts:688552-688619-688980-
690124,690169,46,START: end -1 AG
690720,690800,81,END: start 16 GT (ref:AG-GT)<< Possible error
691210,691423,214,EXACT,AG-GT
691951,692024,74,EXACT,AG-GT
692759,692788,30,START:Ends:693297-693331-693330-
ID=NCLIV_005310 + 3 A..ATG
699725,699751,27,END:Starts:698040-697945-698227-
700426,700947,522,EXACT,AG-GT

701402,701599,198,START:EXACT
ID=NCLIV_005330 + 5 G..ATGG
707310,707312,3
708655,708948,294,END: start -887 GT (ref:AG-GT)<< Possible error
709675,709900,226,EXACT,AG-GT
710536,710597,62,EXACT,AG-GT
711092,711364,273,START:Ends:711747-711762-711746-
ID=NCLIV_005340 + 1 TTCATGG
714212,714826,615
ID=NCLIV_005380 + 4 A..ATG
740451,740525,75,END:Starts:739572-739566-739578-
741192,742881,1690,START: end -3 AG
743416,743513,98,END: start 9 GT (ref:AG-GT)<< Possible error
743879,743980,102,START:Ends:747816-746083-746004-
ID=NCLIV_005420 + 6 A..ATG
765400,765484,85
765825,766553,729
766867,767057,191
767442,767645,204
767953,768155,203
768505,768763,259
ID=NCLIV_005430 + 8 A..ATG
771417,772055,639,END:Starts:770687-770844-
772427,772547,121,START: end -31 AG
772945,773323,379,END: start 22 GT
773710,773768,59,EXACT,AG-GT
774004,774799,796,END: start 158 GT
775160,775445,286,START: end -70 AG
776063,776131,69
776184,776240,57
ID=NCLIV_005440 + 5 CGGATGG
779849,779916,68,OVER:Starts:780213-778987-
780422,780538,117,END: start -1435 GT
780918,781022,105,EXACT,AG-GT
781227,781315,89,EXACT,AG-GT
781547,781692,146,START:Ends:783065-783066-783071-
ID=NCLIV_005470 + 3 A..ATG
807202,807976,775,END:EXACT
808760,809205,446,EXACT,AG-GT
809884,810585,702,START:Ends:810765-810748-
ID=NCLIV_005490 + 3 A..ATG
863650,863772,123,END:Starts:862883-862876-862881-
864529,864756,228,EXACT,AG-GT
865644,865694,51,START:Ends:865899-865905-865918-
ID=NCLIV_005510 + 7 G..ATGG
874855,874963,109,END:Starts:872774-874109-873269-
875461,875558,98,EXACT,AG-GT
875907,876149,243,EXACT,AG-GT
876694,876837,144,EXACT,AG-GT
877533,877744,212,EXACT,ATG:AG-GT
878425,878510,86,EXACT,AG-GT
879185,879279,95,START:Ends:881740-881727-881990-
ID=NCLIV_005530 + 1 A..ATG
890055,890651,597
ID=NCLIV_005560 + 2 A..ATG
922040,922336,297,END:Starts:920242-920132-922066-
923047,923484,438,START:Ends:924077-924138-924093-
ID=NCLIV_005580 + 1 A..ATG
929255,930826,1572
ID=NCLIV_005590 + 8 A..ATG

933761,934142,382,END:Starts:933156-933037-933167-
934579,934755,177,EXACT,AG-GT
935289,935364,76,EXACT,AG-GT
935814,935927,114,EXACT,AG-GT
936398,937112,715,START: end 1 AG
937587,937675,89,END: start 18 GT
938486,938560,75,EXACT,AG-GT
939162,939303,142,START:Ends:939454-939394-939226-
ID=NCLIV_005600 + 8 A..ATG
942356,942599,244
942936,943196,261
943414,943699,286,EXACT,GT
944247,944622,376,EXACT,AG-GT
945558,945665,108,EXACT,AG-GT
946483,946599,117,EXACT,AG
947029,947108,80
947321,947843,523
ID=NCLIV_005620 + 5 A..ATG
957189,957209,21,END:Starts:956456-956629-956633-
958090,958449,360,EXACT,AG-GT
958602,959063,462,EXACT,AG-GT
959302,959451,150,EXACT,AG-GT
959743,960150,408,START:Ends:963021-963014-961959-
ID=NCLIV_005640 + 1 GCGATGC
977115,980240,3126
ID=NCLIV_005670 + 5 G..ATGG
993762,994631,870
995188,995250,63
995535,995618,84,END: start 10 GT (ref:AG-GT)<< Possible error
995994,996120,127,EXACT,AG-GT
996331,996362,32,START:Ends:998185-998112-998145-
ID=NCLIV_005690 + 2 A..ATG
1000671,1001123,453,END:Starts:999566-999570-999999-
1001458,1001529,72,START:Ends:1001902-1001897-1001863-
ID=NCLIV_005710 + 6 A..ATG
1012808,1013402,595,END:Starts:1011927-1011842-1012415-
1013928,1014228,301,EXACT,AG-GT
1014831,1014996,166,EXACT,AG-GT
1015151,1015213,63,EXACT,AG-GT
1016752,1016910,159,EXACT,AG-GT
1017403,1017534,132,START:Ends:1018887-1020832-1019084-
ID=NCLIV_005730 + 8 A..ATG
1032846,1033725,880
1034204,1034274,71
1034496,1034650,155
1034781,1034828,48
1035300,1035349,50
1036008,1036109,102
1036726,1036847,122
1037467,1037901,435
ID=NCLIV_005750 + 15 A..ATG
1048570,1048776,207,END:Starts:1047773-1047789-
1049162,1049338,177,EXACT,AG-GT
1049913,1050015,103,EXACT,AG-GT
1050126,1050249,124,EXACT,AG-GT
1050755,1050875,121,EXACT,AG-GT
1051129,1051296,168,START: end -19 AG
1051533,1051835,303
1052165,1052261,97
1052769,1052965,197,END: start 10 GT (ref:AG-GT)<< Possible error

1053404,1053532,129,EXACT,AG-GT
1054093,1054204,112,EXACT,AG-GT
1054835,1055007,173,EXACT,ATG:AG-GT
1055180,1055317,138,EXACT,AG-GT
1055900,1056083,184,EXACT,AG-GT
1056382,1056485,104,START:Ends:1056826-1056850-1056644-
ID=NCLIV_005760 + 1 A..ATG
1058876,1060939,2064
ID=NCLIV_005770 + 15 GCAATGA
1065283,1065675,393,END:Starts:1063186-1063231-
1066228,1067290,1063,EXACT,AG-GT
1067772,1068032,261,EXACT,ATG:AG-GT
1068422,1068628,207,EXACT,AG-GT
1068933,1069200,268,EXACT,AG-GT
1069575,1069808,234,EXACT,AG-GT
1070279,1070369,91,EXACT,AG-GT
1070627,1070811,185,EXACT,AG-GT
1071043,1071236,194,EXACT,AG-GT
1071545,1071621,77,EXACT,AG-GT
1071737,1071898,162,EXACT,AG-GT
1072170,1072248,79,EXACT,AG-GT
1072717,1072840,124,EXACT,AG-GT
1073166,1073229,64,EXACT,AG-GT
1073484,1073543,60,START:Ends:1074640-1074580-1074544-
ID=NCLIV_005790 + 7 A..ATG
1090801,1091146,346,END:Starts:1090375-1090021-
1091562,1091696,135,EXACT,AG-GT
1092152,1092319,168,EXACT,AG-GT
1092613,1093008,396,EXACT,AG-GT
1093290,1093329,40,START: end -14 AG
1093789,1094685,897,END: start 434 GT (ref:AG-GT)<< Possible error
1094892,1094922,31,START:Ends:1096901-1097183-1097015-
ID=NCLIV_005800 + 16 A..ATG
1099690,1100145,456
1100911,1101075,165
1101533,1101702,170
1102054,1102202,149
1102652,1102732,81
1103083,1103141,59
1103601,1103667,67
1104002,1104129,128
1104602,1104673,72
1105192,1105226,35
1105627,1105715,89
1106072,1106203,132
1106641,1106894,254
1107181,1107289,109
1107777,1107817,41
1108179,1108304,126
ID=NCLIV_005810 + 1 A..ATG
1113063,1114778,1716
ID=NCLIV_005830 + 48 A..ATG
1135762,1136359,598,END:Starts:1133897-1135489-
1137078,1137205,128,EXACT,AG-GT
1137700,1137878,179,EXACT,TAG|TGA|TAA:AG-GT
1138338,1138407,70,EXACT,AG-GT
1138896,1139012,117,EXACT,AG-GT
1139623,1139688,66,EXACT,AG-GT
1140167,1140252,86,EXACT,AG-GT
1140638,1140815,178,EXACT,AG-GT

1141052,1141176,125,EXACT,AG-GT
 1141534,1141612,79,EXACT,AG-GT
 1141778,1141863,86,EXACT,AG-GT
 1142384,1142516,133,EXACT,AG-GT
 1143097,1143156,60,EXACT,AG-GT
 1144511,1144613,103,EXACT,AG-GT
 1144923,1145083,161,EXACT,AG-GT
 1145388,1145513,126,EXACT,AG-GT
 1146215,1146401,187,START: end -12 AG
 1147037,1147205,169,END: start 17 GT
 1148126,1148221,96,EXACT,AG-GT
 1148968,1149113,146,EXACT,AG-GT
 1149705,1149823,119,EXACT,AG-GT
 1150417,1150521,105,EXACT,AG-GT
 1151102,1151184,83,EXACT,AG-GT
 1151779,1151869,91,EXACT,AG-GT
 1152164,1152349,186,EXACT,AG-GT
 1152818,1152866,49,EXACT,AG-GT
 1153352,1153410,59,EXACT,AG-GT
 1153688,1153749,62,EXACT,AG-GT
 1154151,1154253,103,EXACT,AG-GT
 1154639,1154728,90,EXACT,AG-GT
 1155257,1155300,44,EXACT,AG-GT
 1155829,1155937,109,START: end -30 AG-GC (ref:AG-GT)<< Possible error
 1156354,1156547,194,EXACT,AG-GT
 1157458,1157507,50,EXACT,AG-GT
 1158187,1158278,92,EXACT,AG-GT
 1158630,1158719,90,EXACT,AG-GT
 1159180,1159270,91,EXACT,AG-GT
 1159512,1159581,70,EXACT,AG-GT
 1159918,1160062,145,EXACT,AG-GT
 1160397,1160453,57,EXACT,AG-GT
 1160947,1160992,46,EXACT,AG-GT
 1161256,1161368,113,EXACT,AG-GT
 1161791,1161875,85,EXACT,AG-GT
 1162140,1162199,60,EXACT,AG-GT
 1162691,1162866,176,EXACT,AG-GT
 1163202,1163333,132,EXACT,AG-GT
 1164159,1164236,78,EXACT,AG-GT
 1164520,1164612,93,START:EXACT
 ID=NCLIV_005840 + 1 A..ATG
 1168794,1170554,1761
 ID=NCLIV_005850 + 3 TACATGG
 1171244,1171288,45
 1171728,1172126,399
 1172862,1173560,699
 ID=NCLIV_005860 + 7 A..ATG
 1176055,1177119,1065,END:Starts:1174835-1174706-1174836-
 1177507,1177660,154,EXACT,AG-GT
 1178145,1178277,133,EXACT,AG-GT
 1178650,1178861,212,EXACT,AG-GT
 1179411,1179506,96,START: end 6 AG
 1180010,1180184,175,END: start -27 GT (ref:AG-GT)<< Possible error
 1180592,1180727,136,START:Ends:1183656-1183296-1183500-
 ID=NCLIV_005890 + 1 A..ATG
 1222213,1222518,306
 ID=NCLIV_005910 + 4 G..ATGG
 1236337,1236663,327,END:Starts:1235639-1235627-
 1237017,1237084,68,EXACT,TAG|TGA|TAA:AG-GT
 1237550,1237643,94,EXACT,AG-GT

1237827,1237892,66,START:Ends:1238512-1238559-1238506-
 ID=NCLIV_005920 + 7 TAAATGG
 1240584,1241816,1233
 1242338,1242406,69
 1243110,1243478,369
 1244048,1244103,56
 1244598,1244653,56
 1244842,1244966,125,EXACT,GT
 1245317,1245754,438,START:EXACT
 ID=NCLIV_005940 + 5 A..ATG
 1265056,1265735,680,END:Starts:1264168-1264136-1264835-
 1266037,1266251,215,EXACT,AG-GT
 1266909,1267015,107,START: end 585 AG (ref:AG-GT)<< Possible error
 1267416,1267600,185,END: start -197 GT (ref:AG-GT)<< Possible error
 1268324,1268684,361,START:EXACT
 ID=NCLIV_005950 + 1 A..ATG
 1271436,1271858,423
 ID=NCLIV_005970 + 2 [CT]..ATG[ACT]
 1279477,1280286,810
 1280522,1281067,546
 ID=NCLIV_005990 + 17 A..ATG
 1289739,1289816,78
 1290270,1290733,464
 1291000,1291225,226,EXACT,GT
 1291659,1291835,177,START: end -14 AG
 1292520,1292650,131
 1293038,1293128,91
 1293597,1293692,96
 1294146,1294238,93
 1294528,1294645,118
 1294933,1295036,104
 1295693,1295819,127
 1296274,1296341,68
 1296491,1296529,39,END: start 26 GT
 1296670,1296719,50
 1297101,1297907,807,END: start 82 AG-GT
 1298691,1298847,157,EXACT,AG-GT
 1299109,1299414,306,START:Ends:1300228-1300243-1300235-
 ID=NCLIV_006000 + 11 A..ATG
 1302141,1302390,250,END:Starts:1301823-1301796-
 1302731,1302801,71
 1303774,1303819,46,EXACT,AG-GT
 1304305,1304366,62,EXACT,AG-GT
 1304823,1304951,129,EXACT,AG-GT
 1305373,1305427,55,EXACT,AG-GT
 1305865,1305954,90,EXACT,AG-GT
 1306114,1306160,47,EXACT,AG-GT
 1306341,1306409,69,EXACT,AG-GT
 1306689,1306774,86,START: end -17 AG (ref:AG-GT)<< Possible error
 1307563,1307686,124
 ID=NCLIV_006030 + 1 A..ATG
 1327338,1327607,270,OVER:Ends:1328563-1328569-1328455-
 ID=NCLIV_006070 + 3 A..ATG
 1343535,1343634,100,END:Starts:1343234-1343238-1343256-
 1344475,1344588,114,EXACT,AG-GT
 1344896,1345038,143,START:Ends:1345491-1345452-1345499-
 ID=NCLIV_006080 + 41 A..ATG
 1348603,1349263,661
 1349605,1350802,1198
 1351157,1351248,92

1351715,1352071,357
 1352424,1352603,180
 1352917,1353543,627
 1353966,1354116,151
 1354389,1354505,117
 1355016,1355555,540
 1355974,1356645,672
 1356853,1357120,268
 1357481,1357560,80
 1357854,1357962,109
 1358501,1358691,191
 1359081,1359261,181
 1359600,1360178,579
 1360389,1360483,95
 1360778,1360946,169
 1361106,1361404,299
 1361809,1361965,157
 1362295,1362447,153
 1362998,1363084,87
 1363256,1363390,135
 1363676,1363816,141
 1364185,1364445,261
 1364866,1365141,276
 1365480,1365670,191
 1366179,1366809,631
 1367229,1367351,123
 1367745,1367801,57
 1368264,1368419,156
 1368868,1368941,74
 1369296,1369445,150
 1369781,1369845,65
 1370059,1370258,200
 1370593,1370862,270
 1371349,1371532,184
 1371882,1372062,181
 1372361,1372462,102
 1372765,1372880,116
 1373187,1373332,146
 ID=NCLIV_006090 + 5 [CT]..ATG[ACT]
 1377486,1377692,207,END:EXACT
 1378115,1378232,118,EXACT,AG-GT
 1378818,1378894,77,EXACT,AG-GT
 1379127,1379165,39,START: end 57 AG
 1379695,1379757,63
 ID=NCLIV_006130 + 3 A..ATG
 1410711,1410856,146
 1411829,1411850,22
 1411960,1412082,123
 ID=NCLIV_006150 + 9 G..ATGG
 1433727,1433960,234
 1434793,1434960,168,EXACT,AG-GT
 1435227,1435302,76,EXACT,AG-GT
 1435866,1435921,56,EXACT,AG-GT
 1436145,1436482,338,EXACT,AG-GT
 1436954,1437182,229,EXACT,AG-GT
 1437471,1437566,96,EXACT,AG-GT
 1437766,1437804,39,EXACT,AG-GT
 1438160,1438228,69,START:Ends:1438511-1438555-1438457-
 ID=NCLIV_006190 + 2 GCGATGT
 1489838,1490881,1044,OVER:Starts:1489789-1489765-1490202-

1491733,1491879,147,START:Ends:1492425-1492587-1492369-
 ID=NCLIV_006220 + 8 A..ATG
 1515320,1515893,574
 1516097,1516609,513
 1517125,1517219,95,END: start 4 GT
 1517404,1517572,169,EXACT,AG-GT
 1517789,1517847,59,EXACT,AG-GT
 1518132,1518411,280,EXACT,AG-GT
 1518701,1519173,473,EXACT,ATG:AG-GT
 1519400,1519465,66,START:Ends:1520211-1520219-1520203-
 ID=NCLIV_006240 + 3 A..ATG
 1529324,1529326,3,END:Starts:1528668-1528478-
 1529928,1530092,165,EXACT,ATG:AG-GT
 1530742,1530879,138,START:Ends:1530855-1531228-1531173-
 ID=NCLIV_006270 + 6 A..ATG
 1549373,1549473,101,END:Starts:1548793-1548851-1548953-
 1549756,1549862,107,EXACT,AG-GT
 1550067,1550250,184,EXACT,AG-GT
 1550680,1550782,103,EXACT,AG-GT
 1551308,1551394,87,EXACT,AG-GT
 1551903,1552067,165,START:Ends:1552961-1553244-
 ID=NCLIV_006290 + 4 A..ATG
 1564768,1565793,1026
 1566225,1566512,288
 1567075,1573674,6600
 1574220,1578875,4656
 ID=NCLIV_006320 + 7 A..ATG
 1588132,1589432,1301
 1589737,1590459,723,END: start -11 AG-GT (ref:AG-GT)<< Possible error
 1591303,1591649,347,START: end -1 AG
 1591765,1592012,248,END: start 16 GT (ref:AG-GT)<< Possible error
 1592267,1592459,193,EXACT,AG-GT
 1593788,1593893,106,START: end -4 AG-GT (ref:AG-GT)<< Possible error
 1594177,1594312,136,START:Ends:1594447-1595007-1594440-
 ID=NCLIV_006340 + 7 CGGATGG
 1606221,1606360,140,END:Starts:1604490-1605017-1606119-
 1606724,1606841,118,EXACT,AG-GT
 1607444,1607491,48,EXACT,AG-GT
 1607880,1607980,101,EXACT,GT
 1608235,1608286,52,EXACT,AG-GT
 1608626,1608694,69,EXACT,AG-GT
 1609314,1609421,108,START:Ends:1609958-1610092-1609981-
 ID=NCLIV_006360 + 2 GAAATGC
 1618089,1618334,246
 1618664,1618723,60
 ID=NCLIV_006370 + 6 [CT]..ATG[ACT]
 1623131,1623151,21
 1623555,1623636,82
 1624137,1624293,157
 1624975,1625042,68
 1625531,1625980,450
 1626361,1627217,857
 ID=NCLIV_006400 + 4 CCAATGG
 1659828,1659924,97
 1661340,1662216,877,START: end -28 AG-GT
 1663129,1663312,184,END: start -559 AG-GT (ref:AG-GT)<< Possible error
 1663707,1664543,837,START:Ends:1666228-1666479-1665744-
 ID=NCLIV_006420 + 15 [CT]..ATG[ACT]
 1668062,1668151,90
 1669030,1670266,1237

1670533,1670688,156
1671521,1671589,69
1672536,1672657,122
1673103,1673150,48
1673476,1673564,89
1673885,1673980,96
1674355,1674463,109
1674856,1674963,108
1675343,1675407,65,END: start 35 GT
1675899,1676043,145,END: start -1 GT
1676823,1676938,116,EXACT,AG-GT
1677405,1677510,106,START: end 166 AG
1677806,1677868,63
ID=NCLIV_006440 + 6 A..ATG
1705685,1706051,367,END:Starts:1704615-1704517-
1707315,1707599,285,EXACT,AG-GT
1707782,1707860,79,EXACT,AG-GT
1708203,1708293,91,EXACT,AG-GT
1708839,1709021,183,EXACT,AG-GT
1709447,1709728,282,START:Ends:1710435-1711327-1710442-
ID=NCLIV_006450 + 2 [CT]..ATG[ACT]
1712033,1712284,252
1712712,1714100,1389
ID=NCLIV_006470 + 4 A..ATG
1730525,1730591,67,END:Starts:1729906-1729776-
1731660,1731810,151,START: end 1180 AG-GT
1732494,1732990,497,END: start -834 AG-GT
1733614,1733648,35,START:Ends:1734502-1734552-1734563-
ID=NCLIV_006490 + 10 A..ATG
1760523,1760713,191,END:EXACT
1761278,1761423,146,EXACT,AG-GT
1761884,1761978,95,EXACT,AG-GT
1762214,1762288,75,EXACT,AG-GT
1763016,1763252,237,EXACT,AG-GT
1763719,1763766,48,EXACT,AG-GT
1764129,1764272,144,EXACT,AG-GT
1764907,1765001,95,EXACT,AG-GT
1765579,1765629,51,START: end 1 AG
1766098,1766122,25
ID=NCLIV_006500 + 15 A..ATG
1769926,1770771,846
1771412,1771537,126
1772810,1773033,224
1774337,1774645,309
1775372,1775503,132
1775727,1775946,220
1776603,1776811,209
1777502,1777634,133
1777987,1778309,323
1778654,1779680,1027
1780165,1780318,154
1780568,1780628,61
1781087,1781198,112
1781526,1781756,231
1782271,1782378,108
ID=NCLIV_006520 + 6 GCAATGA
1791750,1791858,109,END:EXACT
1792288,1792467,180,START: end 854 AG-GT
1793078,1793321,244,END: start -790 AG-GT
1794189,1794527,339,EXACT,AG-GT

1795144,1795933,790,EXACT,AG-GT
1796387,1796467,81,START:Ends:1797447-1797623-1797463-
ID=NCLIV_006540 + 24 A..ATG
1810342,1810657,316,END:Starts:1809805-1809817-
1811041,1811310,270,EXACT,AG-GT
1811712,1811910,199,EXACT,AG-GT
1812421,1812691,271,EXACT,AG-GT
1813124,1813318,195,EXACT,AG-GT
1813682,1813801,120,EXACT,AG-GT
1814363,1814445,83,EXACT,AG-GT
1814732,1814813,82,EXACT,AG-GT
1815364,1815471,108,EXACT,AG-GT
1815844,1815972,129,EXACT,AG-GT
1816783,1817120,338,EXACT,AG-GT
1817392,1817469,78,EXACT,AG-GT
1818256,1818642,387,EXACT,AG-GT
1819420,1819617,198,EXACT,AG-GT
1819847,1819961,115,EXACT,AG
1820498,1820622,125,END: start 5 GT (ref:AG-GT)<< Possible error
1820827,1821100,274,EXACT,AG-GT
1821490,1821609,120,EXACT,AG-GT
1821999,1822077,79,EXACT,AG-GT
1822437,1822544,108,EXACT,AG-GT
1822999,1823105,107,EXACT,AG-GT
1823689,1823853,165,EXACT,AG-GT
1824480,1824535,56,START: end 111 TAG|TGA|TAA:AG-GC (ref:AG-GT)<< Possible error
1824999,1825173,175,START:Ends:1825689-1826719-1825562-
ID=NCLIV_006580 + 1 [CT]..ATG[ACT]
1851308,1851808,501
ID=NCLIV_006590 + 8 CAGATGG
1852447,1852471,25
1852754,1852890,137,START: end 442 GT
1853174,1853332,159,END: start -420 GT
1853929,1854121,193,START: end 328 AG
1854755,1854879,125
1855313,1855448,136
1855567,1855665,99
1856410,1856705,296
ID=NCLIV_006610 + 5 GAAATGT
1876929,1877072,144
1877513,1877821,309
1878225,1878440,216
1878920,1879431,512
1879637,1880135,499
ID=NCLIV_006620 + 18 [CT]..ATG[ACT]
1882578,1882676,99,END:Starts:1882184-1882218-1882244-
1883854,1883990,137,EXACT,AG-GT
1884608,1884737,130,EXACT,AG-GT
1884993,1885913,921,EXACT,AG-GT
1886373,1886620,248,EXACT,AG-GT
1886832,1886949,118,EXACT,AG-GT
1887187,1887316,130,EXACT,AG-GT
1887855,1888081,227,EXACT,AG-GT
1888743,1888969,227,EXACT,AG-GT
1889430,1889719,290,EXACT,AG-GT
1890607,1890749,143,EXACT,AG-GT
1891235,1891317,83,EXACT,AG-GT
1891427,1891588,162,EXACT,AG-GT
1891922,1892069,148,EXACT,AG-GT
1892510,1892656,147,EXACT,AG-GT

1893023,1893078,56,EXACT,AG-GT
 1893740,1893806,67,EXACT,AG-GT
 1894174,1894488,315,START:Ends:1897760-1895753-1894364-
 ID=NCLIV_006650 + 1 GCGATGC
 1920873,1921646,774
 ID=NCLIV_006660 + 1 A..ATG
 1923843,1925558,1716,OVER:Ends:1923680-1926752-
 ID=NCLIV_006680 + 13 [CT]..ATG[ACT]
 1929800,1929809,10
 1930259,1930388,130
 1930847,1930977,131
 1931407,1931519,113
 1932493,1932709,217
 1933319,1933592,274
 1934447,1934765,319
 1934868,1935036,169
 1935339,1935436,98
 1935981,1936085,105
 1936388,1936458,71
 1936876,1937560,685
 1937936,1938040,105
 ID=NCLIV_006760 + 4 GCAATGC
 2016790,2017707,918
 2018062,2018134,73
 2018431,2018769,339
 2019005,2019249,245
 ID=NCLIV_006790 + 2 A..ATG
 2030240,2030336,97
 2030526,2034979,4454
 ID=NCLIV_006800 + 5 A..ATG
 2037971,2039452,1482,END:Starts:2037244-2037324-2036271-
 2040040,2040439,400,EXACT,AG-GT
 2040729,2040872,144,START: end 537 AG-GT
 2041254,2041409,156,END: start -525 AG-GT
 2041772,2041947,176,START:Ends:2043252-2043254-2043226-
 ID=NCLIV_006820 + 4 GTCATGA
 2047110,2047610,501
 2047980,2048051,72
 2048347,2048461,115,EXACT,GT
 2049004,2049518,515,START:Ends:2050526-2050495-
 ID=NCLIV_006830 + 4 [CT]..ATG[ACT]
 2053589,2053942,354
 2054276,2054392,117
 2054777,2054916,140
 2055826,2055949,124
 ID=NCLIV_006860 + 13 A..ATG
 2079858,2080021,164,END:Starts:2079449-2079479-2079520-
 2080317,2080393,77,EXACT,AG-GT
 2080882,2080994,113,EXACT,AG-GT
 2081343,2081436,94,EXACT,AG-GT
 2081738,2081850,113,EXACT,AG-GT
 2082148,2082341,194,EXACT,AG-GT
 2082719,2082779,61,EXACT,AG-GT
 2083189,2083386,198,EXACT,AG-GT
 2083867,2083950,84,EXACT,AG-GT
 2084199,2084270,72,EXACT,AG-GT
 2084523,2084691,169,EXACT,AG-GT
 2084879,2084979,101,START: end -2 AG
 2085383,2085433,51
 ID=NCLIV_006890 + 14 A..ATG

2127513,2128471,959,END:EXACT
 2128936,2129020,85,EXACT,AG-GT
 2129525,2129650,126,EXACT,AG-GT
 2129867,2129942,76,EXACT,AG-GT
 2130267,2130448,182,EXACT,AG-GT
 2130595,2130680,86,EXACT,AG-GT
 2131078,2131182,105,EXACT,AG-GT
 2132034,2132253,220,EXACT,AG-GT
 2132583,2132754,172,EXACT,AG-GT
 2133479,2133590,112,EXACT,AG-GT
 2133898,2134017,120,EXACT,AG-GT
 2134265,2134365,101,EXACT,AG-GT
 2134890,2134993,104,EXACT,AG-GT
 2135491,2135613,123,START:EXACT
 ID=NCLIV_006900 + 10 [CT]..ATG[ACT]
 2137695,2137905,211,END:EXACT
 2139925,2139995,71
 2140769,2140971,203,OVER: start -531 and end 676 GT
 2141323,2141647,325,END: start -1085 GT
 2142492,2142664,173,EXACT,AG-GT
 2142973,2143600,628,EXACT,AG-GT
 2144145,2144201,57,EXACT,AG-GT
 2144625,2144698,74,EXACT,AG-GT
 2145114,2145242,129,EXACT,AG-GT
 2145685,2145934,250,START:Ends:2146446-2146436-2147154-
 ID=NCLIV_006920 + 4 A..ATG
 2151551,2151673,123,END:Starts:2151049-2151021-
 2152199,2152321,123,EXACT,AG-GT
 2153607,2153990,384,EXACT,AG-GT
 2154325,2154828,504,START:Ends:2155595-2155718-

CHROMOSOME II – REVERSE

ID=NCLIV_004630 - 12 GTCATGA
 47138,47281,144,OVER:Starts:46197-46211-46242-
 47514,47728,215,END: start -1303 AG (ref:AC-GT)<< Possible error
 47835,48357,523,EXACT,AG-GT
 48581,48790,210,EXACT,AG-GT
 49292,49531,240,START: end 83 AG-GT
 49754,49857,104
 50291,50416,126,EXACT,AG-GT
 50740,50844,105,EXACT,AG-GT
 51052,51357,306,EXACT,TAG|TGA|TAA:AG-GT
 51509,51567,59,START: end 490 GT
 51831,51906,76,OVER: start -322 and end 151 GT
 52474,52537,64
 ID=NCLIV_004650 - 3 A..ATG
 64385,64795,411,END:Starts:60588-55224-
 65511,65611,101,EXACT,AG-GT
 66375,66615,241,START:Ends:66699-68004-
 ID=NCLIV_004670 - 3 [CT]..ATG[ACT]
 72298,72673,376,END:Starts:72057-71972-72053-
 73314,73796,483,EXACT,AG-GT
 74554,74774,221,OVER:Ends:79647-79865-
 ID=NCLIV_004690 - 16 A..ATG
 81055,82460,1406,END:EXACT
 82860,83010,151,EXACT,AG-GT
 83673,83823,151,EXACT,AG-GT
 84438,84494,57,EXACT,AG-GT
 84621,84980,360,EXACT,AG-GT

85596,85717,122,START: end 9 AG-GT
 86184,86255,72,EXACT,GT
 86596,86958,363,EXACT,AG
 87301,87437,137,START: end 300 AG-GT (ref:AC-GT)<< Possible error
 88047,88912,866,EXACT,AG-GT
 89198,89265,68,EXACT,AG-GT
 89828,89980,153,EXACT,AG-GT
 90545,90767,223,EXACT,AG-GT
 91195,91314,120,EXACT,AG-GT
 92237,92823,587,EXACT,AG-GT
 93234,93323,90,START:Ends:94369-94333-93439-
 ID=NCLIV_004710 - 10 A..ATG
 102615,102700,86,END:Starts:101049-101730-101415-
 103174,103357,184,EXACT,AG-GT
 103705,103773,69,EXACT,AG-GT
 104562,104654,93,EXACT,GT
 105011,105072,62,EXACT,AG-GT
 105370,105769,400,EXACT,AG-GT
 106101,106177,77,EXACT,AG-GT
 106397,106553,157,EXACT,AG-GT
 106989,107788,800,EXACT,AG-GT
 108052,108181,130,START:EXACT
 ID=NCLIV_004740 - 2 [CT]..ATG[ACT]
 129337,129389,53,OVER:Starts:122658-
 130001,131021,1021,START:Ends:132413-132532-
 ID=NCLIV_004760 - 8 [CT]..ATG[ACT]
 138970,139183,214,END:Starts:137607-137578-137566-
 139563,139668,106,EXACT,AG-GT
 140160,140360,201,EXACT,AG-GT
 141065,141128,64,EXACT,AG-GT
 141907,142032,126,EXACT,AG-GT
 142455,143873,1419,START: end 831 GT
 144155,144195,41,OVER: start -1700 and end 509 GT
 144750,144846,97
 ID=NCLIV_004780 - 7 A..ATG
 149004,154582,5579,END:Starts:148501-148591-148515-
 155143,155227,85,EXACT,AG-GT
 155527,155642,116,EXACT,AG-GT
 156075,156873,799,EXACT,AG-GT
 157338,157612,275,START: end 266 GT
 157937,158509,573
 159137,160001,865
 ID=NCLIV_004810 - 8 A..ATG
 186954,187568,615,END:Starts:185469-185456-185387-
 187844,188215,372,EXACT,AG-GT
 188618,188737,120,EXACT,AG-GT
 189180,189304,125,EXACT,AG-GT
 189713,189796,84,EXACT,AG-GT
 190388,190477,90,START: end -22 GT
 190745,190882,138,END: start -1 AG (ref:AC-GT)<< Possible error
 191378,191606,229,START:Ends:192353-192376-192321-
 ID=NCLIV_004830 - 3 [CT]..ATG[ACT]
 218236,218459,224
 218781,219009,229,END: start 1 AG (ref:AC-GT)<< Possible error
 219489,219962,474,START:Ends:220758-220814-220731-
 ID=NCLIV_004850 - 4 [CT]..ATG[ACT]
 247880,248280,401,WITHIN:Ends:248030-248234-
 248755,248945,191
 249084,249310,227
 249495,249779,285

ID=NCLIV_004860 - 16 A..ATG
 253429,253574,146
 254026,254150,125,END: start -2 AG
 254463,254605,143,EXACT,AG-GT
 255070,255144,75,EXACT,AG-GT
 255354,255782,429,EXACT,AG-GT
 256227,257384,1158,START: end -9 GT
 257801,259073,1273,END: start 76 AG
 259271,260196,926,START: end -313 GT
 260592,261602,1011
 262002,262421,420,EXACT,Info:AG-GC-AG-GT-
 262708,263023,316,EXACT,GT
 263667,264022,356,END: start 318 AG
 264433,264663,231,EXACT,AG-GT
 266021,266176,156,EXACT,AG-GT
 266449,266557,109,START: end 48 GT
 267079,267884,806
 ID=NCLIV_004870 - 15 TTTATGG
 271080,271753,674
 272347,272519,173,EXACT,AG-GT
 272960,273053,94,EXACT,AG-GT
 273691,274853,1163,EXACT,AG-GT
 275182,275911,730,EXACT,AG-GT
 276101,276291,191,EXACT,AG-GT
 276752,276926,175,EXACT,AG-GT
 277604,277664,61,START: end 140 GT
 278096,278441,346,END: start 18 AG (ref:AC-GT)<< Possible error
 278739,278875,137,EXACT,AG-GT
 278994,279063,70,START: end 195 AG-GT (ref:AC-GT)<< Possible error
 279528,279647,120,EXACT,AG-GT
 280365,280477,113,START: end 305 GT
 280797,281196,400
 282261,282415,155
 ID=NCLIV_004900 - 7 A..ATG
 295157,295188,32,END:Starts:293688-292979-
 295450,295563,114,EXACT,AG-GT
 295948,296053,106,EXACT,AG-GT
 296384,296507,124,EXACT,AG-GT
 296890,297043,154,EXACT,AG-GT
 297557,297692,136,EXACT,AG-GT
 298396,299700,1305,START:Ends:300529-300682-300037-
 ID=NCLIV_004920 - 3 A..ATG
 310586,310649,64,OVER:EXACT
 311024,311276,253,END: start -1848 AG-GT
 311509,311938,430,START:EXACT
 ID=NCLIV_004930 - 10 A..ATG
 315123,315399,277,OVER:Starts:313507-313127-
 315921,316727,807,END: start -23 AG-GT (ref:AC-GT)<< Possible error
 317125,317210,86,EXACT,AG-GT
 317806,317904,99,EXACT,ATG:AG-GT
 318082,318138,57,EXACT,AG-GT
 318379,318453,75,EXACT,AG-GT
 318689,319702,1014,EXACT,AG-GT
 320049,320082,34,EXACT,AG-GT
 320420,320677,258
 320742,320749,8,START:EXACT
 ID=NCLIV_004940 - 2 A..ATG
 324776,329485,4710,END:Starts:322789-322243-322908-
 329726,330886,1161,START:Ends:334195-333718-332495-
 ID=NCLIV_004980 - 4 [CT]..ATG[ACT]

356568,356614,47
 358471,362410,3940,END: start 3236 AG
 362917,363028,112,EXACT,GT
 363213,363649,437
 ID=NCLIV_005020 - 6 A..ATG
 393293,393374,82,END:Starts:393109-392937-392886-
 393554,393621,68,EXACT,AG-GT
 393860,393993,134,EXACT,AG-GT
 394568,394665,98,EXACT,AG-GT
 394857,394936,80,EXACT,AG-GT
 395291,395368,78,START:Ends:396292-396179-396197-
 ID=NCLIV_005030 - 1 G..ATGG
 398129,401098,2970
 ID=NCLIV_005060 - 5 A..ATG
 414206,414613,408
 414854,415090,237,END: start 16 AG (ref:AC-GT)<< Possible error
 415939,416019,81,EXACT,AG-GT
 416424,416675,252,EXACT,AG-GT
 416902,417309,408,START:Ends:418403-418676-
 ID=NCLIV_005070 - 8 G..ATGG
 419950,420217,268,END:Starts:419746-419717-419627-
 420657,420768,112,EXACT,AG-GT
 421118,421262,145,EXACT,AG-GT
 422067,422168,102,EXACT,AG
 422870,423611,742,EXACT,AG-GT
 424070,424128,59,EXACT,AG-GT
 424484,424570,87,START: end 3429 GT
 425143,426885,1743,OVER:Ends:424560-427999-
 ID=NCLIV_005090 - 4 [CT]..ATG[ACT]
 436532,436732,201
 437137,437378,242
 437691,438537,847
 439087,439194,108
 ID=NCLIV_005100 - 1 GCGATGC
 441071,442087,1017
 ID=NCLIV_005130 - 6 CACATGG
 466685,466997,313
 467548,467709,162
 468272,468375,104
 468639,468705,67
 469479,470761,1283
 470887,470907,21
 ID=NCLIV_005150 - 4 A..ATG
 484032,484103,72,END:Starts:483823-483726-483829-
 484242,484329,88,EXACT,AG-GT
 484464,485557,1094,EXACT,AG-GT
 486290,486385,96,START:Ends:486587-486819-486529-
 ID=NCLIV_005160 - 6 A..ATG
 492201,492371,171
 492826,492897,72
 493462,494674,1213
 495421,495586,166
 496122,497061,940
 497330,500491,3162
 ID=NCLIV_005190 - 14 A..ATG
 531254,531484,231,END:EXACT
 531791,532000,210,EXACT,AG-GT
 532158,532220,63,EXACT,AG-GT
 532686,532866,181,EXACT,AG-GT
 533011,533148,138,EXACT,AG-GT

533596,533687,92,START: end 261 GT
534237,534357,121,END: start 1 AG (ref:AC-GT)<< Possible error
534764,534974,211,START: end -11 GT
535149,535458,310,END: start -3 AG
535911,536142,232,START: end 5 GT
536565,536853,289,END: start 7 AG (ref:AC-GT)<< Possible error
537387,537523,137,EXACT,GT
537851,538068,218,END: start 21 AG
538737,538739,3
ID=NCLIV_005200 - 11 A..ATG
565908,566138,231,END:EXACT
566517,566681,165,EXACT,AG-GT
567239,567473,235,EXACT,AG-GT
568366,568744,379,START: end 1060 GT
572890,572935,46
573316,573351,36
574124,574153,30
574408,574574,167
575046,576209,1164
576554,579580,3027
580815,581148,334
ID=NCLIV_005210 - 3 A..ATG
587311,587438,128
588245,588481,237,END: start -197 AG (ref:AC-GT)<< Possible error
589167,593151,3985,START:Ends:591087-591811-591680-
ID=NCLIV_005230 - 3 [CT]..ATG[ACT]
599982,600258,277,END:Starts:599568-599657-599683-
600486,602167,1682,EXACT,AG-GT
602872,610335,7464,START:Ends:604660-606854-603554-
ID=NCLIV_005240 - 5 [CT]..ATG[ACT]
615516,615593,78
615847,616030,184,EXACT,AG-GT
616278,616453,176,EXACT,AG-GT
616717,620592,3876,START: end -1984 GT
621521,622465,945,START:Ends:623330-622329-
ID=NCLIV_005250 - 12 A..ATG
626158,627094,937
627562,628385,824
629019,629270,252
629931,630141,211
630980,631560,581
632336,632636,301
633284,633399,116
634100,634689,590
635024,635212,189
635853,636300,448
636604,637782,1179
638709,638849,141
ID=NCLIV_005290 - 23 G..ATGG
668007,668133,127,END:Starts:664949-664847-668014-
669642,669865,224,END: start -842 AG-GT
670473,670990,518,EXACT,Code:NONE-INTERNAL-
671384,671410,27,EXACT,AG-GT
671571,672399,829,EXACT,AG-GT
672881,673695,815,EXACT,AG-GT
674064,674125,62,EXACT,AG-GT
675491,675732,242,EXACT,AG-GT
676487,676670,184,EXACT,AG-GT
677162,677216,55,EXACT,AG-GT
677613,677967,355,END: start -122 AG

678684,678847,164,EXACT,AG-GT
 680766,680819,54,EXACT,TAG|TGA|TAA:AG-GT
 681066,681099,34,EXACT,AG-GT
 681290,681371,82,EXACT,AG-GT
 681761,681813,53,EXACT,AG-GT
 682217,682244,28,START: end 175 GT
 683028,683074,47
 683486,683565,80
 684151,684343,193
 685593,685631,39
 686028,686234,207
 686705,686815,111
 ID=NCLIV_005320 - 5 A..ATG
 703927,704167,241
 704714,704855,142
 705595,705616,22
 706246,706627,382
 706756,706832,77
 ID=NCLIV_005350 - 13 G..ATGG
 716469,716835,367,END:Starts:715852-715888-715947-
 717007,717137,131,EXACT,AG-GT
 717579,717815,237,EXACT,AG-GT
 718532,718754,223,EXACT,AG-GT
 719292,719981,690,END: start -141 AG-GC
 720319,720651,333,EXACT,AG-GT
 720975,721039,65,EXACT,AG-GT
 721446,721638,193,EXACT,AG-GT
 722147,722304,158,EXACT,AG-GT
 722842,722979,138,EXACT,AG-GT
 723184,723429,246,START: end 114 AG-GT
 724270,724743,474,START: end -16 GT
 725479,725937,459
 ID=NCLIV_005360 - 8 A..ATG
 729455,729553,99,END:Starts:728933-728884-728944-
 730027,730092,66,EXACT,AG-GT
 730602,730786,185,EXACT,AG-GT
 731010,731190,181,EXACT,AG-GT
 731931,732080,150,EXACT,AG-GT
 732677,732913,237,EXACT,AG-GT
 733168,733302,135,EXACT,AG-GT
 733870,734325,456,START:Ends:735129-735132-735145-
 ID=NCLIV_005370 - 3 A..ATG
 737414,737844,431,END:EXACT
 738084,738167,84,EXACT,AG-GT
 738488,738668,181,START:Ends:739386-739417-739374-
 ID=NCLIV_005390 - 2 A..ATG
 745590,746084,495
 746268,747515,1248,START:Ends:747816-747711-
 ID=NCLIV_005400 - 9 A..ATG
 749694,749813,120,END:Starts:749506-749497-749396-
 750120,750191,72,EXACT,AG-GT
 750814,750908,95,EXACT,AG-GT
 751343,751412,70,EXACT,AG-GT
 751788,751892,105,EXACT,AG-GT
 752053,752192,140,EXACT,AG-GT
 752570,752670,101,EXACT,AG-GT
 752976,753034,59,EXACT,AG-GT
 753147,753833,687,START:EXACT
 ID=NCLIV_005410 - 8 A..ATG
 756902,757100,199,END:Starts:755509-755425-755611-

757850,757980,131,EXACT,AG-GT
 758414,758474,61,START: end 27 AG-GT (ref:AC-GT)<< Possible error
 758865,758989,125,EXACT,AG-GT
 759294,759346,53,START: end -25 GT
 759680,759872,193,END: start 6 AG
 760247,760414,168,EXACT,AG-GT
 760682,761713,1032,START:Ends:762335-762330-762228-
 ID=NCLIV_005450 - 4 A..ATG
 787270,787715,446,END:Starts:784600-784554-784648-
 788007,788254,248,START: end 20 GT
 788458,788762,305
 789184,791682,2499,WITHIN:Ends:790625-789926-
 ID=NCLIV_005460 - 10 A..ATG
 796605,796651,47,OVER:Starts:795867-796292-796166-
 797390,797465,76,EXACT,AG-GT
 798043,798357,315,START: end 522 AG-GT
 798978,799297,320,START: end 108 AG-GT
 799917,800024,108,EXACT,AG-GT
 800554,800629,76,EXACT,AG-GT
 801117,801290,174,START: end 123 GT
 802035,802289,255,END: start 6 AG
 802709,802837,129,EXACT,AG-GT
 803149,804336,1188,START:Ends:805913-805952-
 ID=NCLIV_005480 - 2 G..ATGG
 857944,858038,95
 858678,859056,379
 ID=NCLIV_005500 - 1 A..ATG
 866884,870294,3411
 ID=NCLIV_005520 - 8 A..ATG
 881140,881574,435,OVER:Starts:878423-878812-878442-
 882630,882947,318,END: start -361 AG-GT (ref:AC-GT)<< Possible error
 883262,883564,303,EXACT,AG-GT
 884046,884265,220,EXACT,AG-GT
 885083,885899,817,START: end 222 AG-GT (ref:AC-GT)<< Possible error
 886026,886121,96,END: start -943 AG-GT (ref:AC-GT)<< Possible error
 887130,887537,408,START: end 1829 GT
 888442,888529,88,OVER:Ends:889366-892197-887888-
 ID=NCLIV_005540 - 17 A..ATG
 892058,892197,140,END:Starts:891822-891830-
 893091,893256,166,EXACT,GT
 893819,893888,70,EXACT,Info:AG-GC-AG-GT-
 894435,894515,81,EXACT,AG-GT
 895165,895268,104,EXACT,AG-GT
 895621,895776,156,EXACT,AG-GT
 896124,896139,16
 896748,896899,152,EXACT,AG-GT
 897033,897078,46
 897140,897527,388,END: start 320 AG-GT
 897986,898287,302,EXACT,AG-GT
 898650,898871,222,EXACT,GT
 899203,899512,310,EXACT,AG
 899990,900218,229,EXACT,AG-GT
 900515,900580,66,EXACT,AG-GT
 901198,901266,69,EXACT,AG-GT
 901617,902831,1215,START:Ends:904037-904207-
 ID=NCLIV_005550 - 11 GAAATGC
 911453,911555,103,END:Starts:910728-910813-910878-
 912101,912190,90,EXACT,AG-GT
 912998,913083,86,EXACT,AG-GT
 913671,913788,118,EXACT,AG-GT

914034,914271,238,EXACT,AG-GT
 914774,915032,259,EXACT,AG-GT
 915498,915638,141,EXACT,AG-GT
 916217,916361,145,START: end 14 GT
 917019,917201,183,EXACT,AG
 917771,917906,136,EXACT,AG-GT
 918099,918108,10
 ID=NCLIV_005570 - 1 [CT]..ATG[ACT]
 926116,926388,273
 ID=NCLIV_005610 - 8 CACATGG
 949075,949136,62,END:Starts:947138-947354-947471-
 949525,949686,162,EXACT,AG-GT
 950026,950218,193,EXACT,AG-GT
 950698,950799,102,EXACT,AG-GT
 951186,951320,135,EXACT,AG-GT
 951649,951702,54,EXACT,AG-GT
 952170,952305,136,EXACT,AG-GT
 952683,952729,47,START:Ends:953725-954129-
 ID=NCLIV_005630 - 3 [CT]..ATG[ACT]
 962944,963039,96,END:Starts:962013-959659-959741-
 963586,969581,5996,EXACT,AG-GT
 970130,971600,1471,START:Ends:972863-981574-972344-
 ID=NCLIV_005650 - 4 GTCATGA
 983131,983236,106,OVER:Starts:982372-982357-982392-
 983932,985719,1788,END: start -1560 AG (ref:AC-GT)<< Possible error
 986218,987247,1030,START: end 45 GT
 987561,988650,1090
 ID=NCLIV_005660 - 1 GAAATGT
 991459,991743,285
 ID=NCLIV_005680 - 2 GCGATGT
 997847,998181,335
 998756,999191,436
 ID=NCLIV_005700 - 3 [CT]..ATG[ACT]
 1002804,1003898,1095
 1004282,1004780,499
 1005314,1007922,2609
 ID=NCLIV_005720 - 4 GCAATGT
 1020221,1021555,1335
 1022102,1022181,80
 1022514,1022734,221
 1023651,1028476,4826
 ID=NCLIV_005740 - 11 [CT]..ATG[ACT]
 1039632,1039709,78,END:Starts:1037496-1038792-1039168-
 1040409,1040552,144,EXACT,AG-GT
 1040835,1040945,111,EXACT,AG-GT
 1041264,1041324,61,EXACT,AG-GT
 1041810,1041892,83,EXACT,AG-GT
 1042627,1042768,142,EXACT,AG-GT
 1043398,1043567,170,EXACT,GT
 1043813,1043846,34,EXACT,AG-GT
 1044329,1044438,110,EXACT,AG-GT
 1044750,1044851,102,EXACT,AG-GT
 1045598,1045837,240,START:Ends:1047017-1046957-1046643-
 ID=NCLIV_005780 - 1 A..ATG
 1087871,1088746,876
 ID=NCLIV_005820 - 13 G..ATGG
 1117285,1117484,200,END:Starts:1116500-1116501-1116497-
 1117784,1117887,104,EXACT,AG-GT
 1118528,1118658,131,EXACT,AG-GT
 1120365,1120535,171,EXACT,AG-GT

1121414,1121483,70,EXACT,AG-GT
1121746,1121792,47,EXACT,AG-GT
1122276,1122467,192,EXACT,AG-GT
1122880,1122966,87,EXACT,AG-GT
1123214,1123354,141,EXACT,AG-GT
1123891,1124006,116,EXACT,AG-GT
1124615,1125201,587,EXACT,AG-GT
1125801,1128000,2200,EXACT,AG-GT
1128909,1129542,634,START:EXACT
ID=NCLIV_005870 - 41 A..ATG
1183402,1183507,106,END:Starts:1180592-1180594-1180478-
1183900,1183990,91,EXACT,AG-GT
1184418,1184877,460,END: start -135 AG-GT
1185464,1185593,130,EXACT,AG-GT
1186151,1186322,172,START: end 1203 GT (ref:AC-GT)<< Possible error
1186841,1186945,105,OVER: start -690 and end 580 GT (ref:AC-GT)<< Possible error
1187446,1187525,80,END: start -1295 GT (ref:AC-GT)<< Possible error
1188036,1188144,109,EXACT,AG-GT
1188483,1188627,145,EXACT,AG-GT
1188878,1189034,157,EXACT,AG-GT
1189608,1189713,106,EXACT,AG-GT
1190223,1190349,127,EXACT,AG-GT
1191028,1191197,170,EXACT,AG-GT
1191747,1191835,89,EXACT,AG-GT
1192065,1192114,50,EXACT,AG-GT
1192644,1192760,117,EXACT,AG-GT
1193290,1193408,119,EXACT,AG-GT
1193938,1194857,920,EXACT,AG
1195432,1196081,650,EXACT,AG
1196292,1196422,131,EXACT,AG-GT
1196923,1197174,252,EXACT,GT
1197615,1197816,202,END: start 14 AG
1198438,1198523,86,EXACT,AG-GT
1198892,1198963,72,EXACT,AG-GT
1199596,1199698,103,START: end 5 GT
1200018,1200199,182
1200743,1201034,292,END: start 30 AG
1201609,1201758,150,EXACT,AG-GT
1202481,1202611,131,START: end -34 GT
1203411,1203491,81
1204016,1204076,61
1204617,1204718,102
1205105,1205211,107
1205657,1205791,135
1206078,1206171,94,END: start 24 AG
1206472,1206871,400,EXACT,AG-GT
1207723,1208088,366,START: end -61 GT
1208604,1208648,45,START: end -15 GT
1209137,1210784,1648,END: start 21 AG
1211112,1211687,576,START: end -244 GT
1212383,1212491,109
ID=NCLIV_005880 - 9 A..ATG
1215835,1215919,85,END:Starts:1214154-1214213-1214205-
1216342,1216454,113,EXACT,AG-GT
1216769,1216843,75,EXACT,AG-GT
1218191,1218288,98,EXACT,AG-GT
1218810,1218885,76,EXACT,AG
1219536,1219595,60,EXACT,AG-GT
1219983,1220138,156,EXACT,AG-GT
1220481,1220565,85,START: end 196 AG-GT

1221049,1221098,50,START:Starts:1221049-
 ID=NCLIV_005900 - 18 G..ATGG
 1224956,1225072,117,END:Starts:1221049-
 1225503,1225632,130,EXACT,AG-GT
 1225798,1225942,145,EXACT,AG-GT
 1226067,1226202,136,EXACT,AG-GT
 1226329,1226486,158,EXACT,AG-GT
 1226784,1226867,84,EXACT,AG-GT
 1227105,1227249,145,EXACT,AG-GT
 1227607,1227722,116,EXACT,AG-GT
 1228545,1228683,139,EXACT,AG-GT
 1228964,1229160,197,EXACT,AG-GT
 1229647,1229746,100,EXACT,AG-GT
 1230296,1230363,68,EXACT,AG-GT
 1230734,1230893,160,EXACT,AG-GT
 1231509,1231655,147,START: end 4 GT
 1232266,1232372,107,END: start 33 AG (ref:AC-GT)<< Possible error
 1232618,1232747,130,EXACT,AG-GT
 1233183,1233352,170,EXACT,AG-GT
 1234717,1234747,31,START:Ends:1235272-1235300-1235269-
 ID=NCLIV_005930 - 20 [CT]..ATG[ACT]
 1248138,1248182,45,END:Starts:1246687-1246631-1246730-
 1248531,1248640,110,EXACT,AG-GT
 1248908,1249060,153,START: end 182 AG-GT
 1249732,1249925,194,START: end 676 AG-GT (ref:AC-GT)<< Possible error
 1250444,1250601,158,END: start -712 AG-GT (ref:AC-GT)<< Possible error
 1250834,1250907,74,EXACT,AG-GT
 1251320,1251430,111,EXACT,AG-GT
 1251969,1252690,722,EXACT,AG-GT
 1253177,1253356,180,EXACT,AG-GT
 1253705,1254518,814,EXACT,AG-GT
 1254878,1254974,97,EXACT,AG-GT
 1255361,1255519,159,EXACT,AG-GT
 1255916,1256012,97,EXACT,AG-GT
 1256662,1256726,65,EXACT,AG-GT
 1257140,1257250,111,EXACT,AG-GT
 1258078,1258162,85,EXACT,AG-GT
 1258427,1258549,123,EXACT,AG-GT
 1259096,1260429,1334,EXACT,AG-GT
 1260917,1261052,136,EXACT,ATG:AG-GT
 1261399,1261625,227,START:Ends:1263007-1262990-
 ID=NCLIV_005960 - 4 [CT]..ATG[ACT]
 1275138,1275269,132,OVER:Starts:1273807-1273556-
 1275555,1275827,273,END: start -8 AG-GT (ref:AC-GT)<< Possible error
 1276301,1276459,159,EXACT,AG-GT
 1276702,1277085,384,START:EXACT
 ID=NCLIV_005980 - 2 A..ATG
 1282991,1283157,167,END:EXACT
 1283629,1284154,526,START:EXACT
 ID=NCLIV_006010 - 6 G..ATGG
 1308599,1309385,787
 1310052,1310388,337
 1311414,1311743,330
 1311937,1312212,276
 1313003,1314294,1292
 1314792,1315048,257
 ID=NCLIV_006020 - 7 CGAATGG
 1317850,1318006,157,END:Starts:1317603-1317354-1317274-
 1318412,1318518,107,EXACT,AG-GT
 1318721,1318908,188,EXACT,AG-GT

1319876,1319931,56
 1319991,1320181,191,END: start 78 AG-GT
 1320509,1320688,180,EXACT,AG-GT
 1321243,1321353,111,START:Ends:1323045-1321758-
 ID=NCLIV_006040 - 1 GTAATGC
 1330050,1331072,1023,OVER:Starts:1329052-1329140-1329355-
 ID=NCLIV_006050 - 1 A..ATG
 1334929,1336731,1803
 ID=NCLIV_006060 - 2 A..ATG
 1338596,1338757,162,OVER:Ends:1338753-1339092-
 1339612,1340169,558
 ID=NCLIV_006100 - 3 TCAATGG
 1383408,1384166,759,END:Starts:1381110-1381245-1381246-
 1384574,1391388,6815,START: end 4726 GT
 1392283,1393165,883,OVER:Ends:1396114-1397161-1395540-
 ID=NCLIV_006110 - 2 G..ATGG
 1399069,1399142,74
 1399967,1401092,1126
 ID=NCLIV_006120 - 6 A..ATG
 1404720,1404786,67,END:Starts:1404036-1404074-1404094-
 1405048,1405113,66,EXACT,AG-GT
 1405459,1405525,67,START: end 28 GT
 1405863,1406157,295,END: start -3 AG (ref:AC-GT)<< Possible error
 1406877,1406959,83,EXACT,AG-GT
 1407639,1407753,115,START:Ends:1408079-1408071-
 ID=NCLIV_006140 - 10 TCCATGG
 1422092,1422136,45,OVER:Starts:1421869-1421588-1421825-
 1422814,1422974,161,EXACT,AG-GT
 1424508,1424539,32,OVER: start -833 and end 104 GT
 1426367,1426405,39
 1426979,1427068,90,EXACT,ATG:AG-GT
 1427392,1427565,174,EXACT,AG
 1428150,1428251,102,EXACT,AG-GT
 1428645,1428716,72,START: end 300 AG-GT (ref:AC-GT)<< Possible error
 1429757,1430300,544,START: end 106 AG-GT
 1430917,1432405,1489,START:EXACT
 ID=NCLIV_006160 - 19 A..ATG
 1450640,1450750,111,END:Starts:1450253-1450354-1450313-
 1451043,1451219,177,EXACT,AG-GT
 1451631,1451740,110,EXACT,AG-GT
 1452381,1452639,259,EXACT,AG-GT
 1453045,1453218,174,EXACT,AG-GT
 1453483,1453605,123,EXACT,AG-GT
 1453854,1454030,177,EXACT,AG-GT
 1454465,1454662,198,EXACT,AG-GT
 1455038,1455166,129,EXACT,AG-GT
 1455522,1455833,312,EXACT,AG-GT
 1456394,1456468,75,EXACT,AG-GT
 1456817,1457352,536,START: end 216 AG-GT (ref:AC-GT)<< Possible error
 1457926,1458488,563,EXACT,AG-GT
 1458858,1458954,97,START: end 325 AG-GT
 1459520,1460057,538,END: start 175 AG-GT
 1460476,1460703,228,EXACT,AG-GT
 1461132,1461237,106,EXACT,AG-GT
 1461709,1462523,815,EXACT,ATG:AG-GT
 1463150,1463359,210,START:Ends:1464167-1464171-
 ID=NCLIV_006170 - 9 A..ATG
 1477940,1477981,42,END:Starts:1477754-1477772-1477767-
 1478230,1478393,164,EXACT,AG-GT
 1478834,1478899,66,START: end 3 GT

1479102,1479187,86,EXACT,AG
1479695,1479832,138,EXACT,AG-GT
1480078,1480149,72,EXACT,AG-GT
1480745,1480813,69,START: end -16 GT
1481268,1481349,82,EXACT,Info:AG-GT-Stop Codon:AG-GT-donor=CC-
1481783,1481822,40,START:Ends:1481932-1481915-1481995-
ID=NCLIV_006180 - 2 A..ATG
1484605,1485101,497,END:Starts:1483857-1483971-1484292-
1485423,1486494,1072,START:EXACT
ID=NCLIV_006200 - 1 A..ATG
1493704,1494825,1122,OVER:Starts:1493234-1493195-
ID=NCLIV_006205 - 2 G..ATGG
1498731,1498835,105,END:EXACT
1499115,1499975,861,START:Ends:1500306-1500308-1499870-
ID=NCLIV_006210 - 9 CCCATGG
1502167,1503361,1195,END:Starts:1501505-1501630-
1503739,1503950,212,START: end 269 GT
1504244,1504519,276
1504962,1506493,1532
1507035,1507292,258
1507828,1508298,471
1508934,1509122,189,END: start -184 AG
1509913,1510051,139,EXACT,AG-GT
1510631,1511407,777,START:Ends:1512167-1511799-
ID=NCLIV_006230 - 4 A..ATG
1521819,1522112,294,END:Starts:1520796-1520725-1520719-
1522386,1522547,162,EXACT,AG-GT
1522928,1523014,87,EXACT,AG-GT
1523501,1523569,69,START:EXACT
ID=NCLIV_006250 - 8 A..ATG
1533294,1533703,410
1534067,1534237,171
1534788,1534889,102
1535136,1535438,303
1535813,1535896,84
1536209,1536343,135
1536966,1536996,31
1537133,1537252,120
ID=NCLIV_006260 - 5 A..ATG
1542204,1542739,536,END:Starts:1541721-1541722-1541796-
1543202,1543294,93,EXACT,AG-GT
1543892,1544023,132,EXACT,AG-GT
1544471,1544577,107,EXACT,AG-GT
1545079,1545974,896,START:Ends:1545992-1545993-
ID=NCLIV_006280 - 7 TCGATGG
1554534,1554864,331
1555328,1555963,636,END: start -128 AG
1556413,1556490,78,START: end -1 GT
1557132,1557306,175
1557873,1558011,139
1558464,1558942,479,END: start -171 AG
1559200,1559890,691,START:Ends:1561067-1559613-
ID=NCLIV_006300 - 4 A..ATG
1581916,1582123,208,END:Starts:1580015-1580080-
1582638,1583186,549,EXACT,AG-GT
1583725,1583894,170,EXACT,AG-GT
1584487,1586298,1812,START:Ends:1587186-1587191-1585603-
ID=NCLIV_006330 - 11 GCCATGT
1597325,1597394,70,END:Starts:1596463-1596376-1596351-
1597709,1597773,65,START: end -7 GT

1598118,1598271,154
 1598554,1598636,83
 1599059,1599504,446
 1599981,1600086,106
 1600522,1600610,89
 1601061,1601268,208,EXACT,AG
 1601529,1601709,181,START: end -142 GT
 1602081,1602172,92
 1602727,1603077,351
 ID=NCLIV_006350 - 1 A..ATG
 1610665,1611300,636
 ID=NCLIV_006380 - 10 [CT]..ATG[ACT]
 1628519,1629301,783
 1629840,1629933,94
 1630623,1630769,147,END: start 4 AG
 1631370,1631627,258,EXACT,AG-GT
 1632380,1632596,217,EXACT,AG-GT
 1633008,1633131,124,EXACT,AG-GT
 1633518,1633594,77,EXACT,AG-GT
 1634480,1634677,198,EXACT,AG-GT
 1635167,1635284,118,EXACT,AG-GT
 1635754,1635831,78,START:Ends:1637820-1637595-
 ID=NCLIV_006390 - 3 A..ATG
 1639594,1643234,3641,END:Starts:1638583-1638312-1639832-
 1643456,1644399,944,EXACT,AG-GT
 1645124,1649994,4871,START:Ends:1645149-1645794-1645152-
 ID=NCLIV_006410 - 4 CAGATGG
 1666106,1666337,232
 1666769,1667669,901
 1667737,1667758,22
 1667822,1667839,18
 ID=NCLIV_006430 - 27 A..ATG
 1679577,1679837,261
 1680555,1680761,207
 1681299,1681499,201
 1683103,1683308,206
 1683806,1683957,152
 1684586,1684590,5
 1687140,1687550,411
 1688086,1688135,50
 1688533,1688708,176
 1689456,1689518,63
 1689862,1690001,140
 1690538,1690621,84
 1690835,1690911,77
 1691857,1691909,53
 1692261,1692328,68
 1693042,1693348,307
 1693897,1693975,79
 1695885,1695927,43
 1696402,1696453,52
 1696589,1696711,123
 1697387,1697438,52
 1697836,1698034,199
 1698633,1698678,46
 1699101,1699554,454,EXACT,Info:AG-GC-AG-GT-
 1700232,1700304,73,EXACT,AG-GT
 1700843,1701079,237,EXACT,AG-GT
 1701591,1701716,126,START:Starts:1701352-1701815-
 ID=NCLIV_006460 - 9 G..ATGG

1715550,1716057,508,END:Starts:1714369-1714716-1714791-
1716478,1716694,217,EXACT,AG-GT
1717354,1718332,979,EXACT,AG-GT
1719028,1720226,1199,EXACT,AG-GT
1720927,1721242,316,START: end -9 GT
1721914,1722199,286
1722461,1722828,368,END: start -195 AG
1723532,1724118,587,EXACT,AG-GT
1724748,1726362,1615,START:EXACT
ID=NCLIV_006480 - 9 A..ATG
1750523,1750573,51,END:EXACT
1751021,1751452,432,EXACT,ATG:AG-GT
1751594,1751669,76,EXACT,AG-GT
1751998,1752092,95,EXACT,AG-GT
1752386,1752487,102,EXACT,AG-GT
1753075,1753145,71,EXACT,AG-GT
1753605,1753790,186,EXACT,TAG|TGA|TAA:AG-GT
1754145,1754250,106,EXACT,AG-GT
1754636,1754833,198,START:Ends:1755940-1755234-1755242-
ID=NCLIV_006510 - 11 A..ATG
1783314,1783531,218,END:Starts:1782833-1782881-1782809-
1784097,1784274,178,EXACT,ATG:AG-GT
1784493,1784704,212,EXACT,AG-GT
1785226,1785366,141,EXACT,AG-GT
1785996,1786098,103,START: end -13 GT
1786621,1786872,252,END: start -149 AG
1787276,1787360,85,EXACT,AG-GT
1787796,1787848,53,EXACT,AG-GT
1788536,1788804,269,EXACT,AG-GT
1789161,1789275,115,EXACT,AG-GT
1789968,1789982,15,START:Ends:1790615-1790617-
ID=NCLIV_006530 - 14 A..ATG
1799451,1799554,104
1800071,1800218,148,EXACT,AG
1800485,1801453,969,EXACT,AG-GT
1801828,1801938,111,EXACT,GT
1802554,1802655,102
1803050,1803154,105
1803564,1803744,181
1803991,1804160,170
1804583,1804748,166
1804876,1804958,83,END: start 26 AG
1805310,1805382,73,EXACT,AG-GT
1805849,1806010,162,EXACT,AG-GT
1806251,1806327,77,EXACT,AG-GT
1806795,1808558,1764,START:Ends:1809573-1806833-
ID=NCLIV_006550 - 4 G..ATGG
1827664,1827792,129
1828043,1828186,144
1828301,1829360,1060
1829459,1829541,83
ID=NCLIV_006560 - 3 A..ATG
1834462,1835132,671
1835441,1835734,294
1836245,1836542,298
ID=NCLIV_006570 - 8 A..ATG
1841451,1841962,512,END:Starts:1841642-1839896-1841634-
1842744,1842960,217,EXACT,AG-GT
1843129,1843298,170,EXACT,AG-GT
1843703,1843862,160,EXACT,AG-GT

1844402,1844547,146,EXACT,AG-GT
 1844940,1845162,223,EXACT,AG-GT
 1845583,1845738,156,EXACT,AG-GT
 1846117,1846611,495,START:Ends:1847471-1847478-1847436-
 ID=NCLIV_006595 - 2 [CT]..ATG[ACT]
 1860357,1860446,90
 1860670,1860822,153
 ID=NCLIV_006600 - 5 G..ATGG
 1864657,1867160,2504,END:Starts:1863900-1863891-1863912-
 1867683,1867970,288,EXACT,AG-GT
 1868360,1868480,121,EXACT,AG-GT
 1868864,1869287,424,EXACT,AG-GT
 1869558,1872715,3158,START:Ends:1873007-1870375-
 ID=NCLIV_006630 - 2 A..ATG
 1900415,1901015,601,END:Starts:1900215-1900258-
 1901342,1901454,113,START:Ends:1901915-1901955-
 ID=NCLIV_006640 - 9 A..ATG
 1903888,1907884,3997,END:Starts:1902070-1901991-1903288-
 1908279,1908973,695,START: end 13 GT
 1909755,1910089,335
 1910354,1913286,2933,END: start 46 AG-GT (ref:AC-GT)<< Possible error
 1913501,1914168,668,EXACT,GT
 1914645,1914965,321
 1915224,1915696,473,END: start -11 AG
 1916210,1916483,274,EXACT,AG
 1916783,1919035,2253,START:Ends:1919766-1921878-
 ID=NCLIV_006670 - 1 GCGATGA
 1929159,1929644,486
 ID=NCLIV_006690 - 1 GCAATGA
 1940708,1941613,906
 ID=NCLIV_006700 - 6 [CT]..ATG[ACT]
 1944249,1944449,201,END:Starts:1944151-1944153-1944025-
 1945211,1945301,91,START: end -3 GT
 1945469,1945637,169
 1945841,1946017,177,END: start 23 AG
 1947480,1947582,103,EXACT,AG-GT
 1948250,1948288,39,START:EXACT
 ID=NCLIV_006710 - 21 A..ATG
 1950191,1950442,252
 1950973,1951075,103
 1951353,1951402,50,END: start -1 AG
 1951658,1951786,129,EXACT,AG-GT
 1952587,1952671,85,EXACT,AG-GT
 1953347,1953423,77,EXACT,AG-GT
 1953899,1953999,101,EXACT,AG-GT
 1954511,1954562,52,START: end -30 GT
 1954988,1955102,115
 1955371,1955426,56
 1956176,1956310,135
 1957019,1957414,396
 1957501,1957560,60
 1958468,1958530,63
 1958801,1958838,38
 1959120,1959157,38
 1959539,1959619,81
 1959845,1959912,68
 1960429,1960673,245
 1961064,1961232,169,END: start 1 AG
 1961692,1961859,168,START:Ends:1962851-1962843-
 ID=NCLIV_006720 - 4 A..ATG

1972630,1972800,171,END:Starts:1972362-1972352-1972393-
 1973828,1974019,192,EXACT,AG-GT
 1974264,1974376,113,EXACT,AG-GT
 1974758,1974893,136,START:Ends:1975016-1975019-1975024-
 ID=NCLIV_006730 - 17 A..ATG
 1976466,1976521,56
 1976921,1977026,106
 1977501,1977591,91
 1978138,1978211,74
 1978524,1978593,70
 1979171,1979242,72
 1979687,1979830,144
 1980093,1980144,52
 1980361,1980434,74
 1980912,1980979,68
 1981728,1981778,51
 1982158,1982232,75
 1982635,1982795,161
 1983221,1983311,91
 1983637,1983705,69
 1984614,1984639,26
 1984861,1984978,118
 ID=NCLIV_006740 - 4 A..ATG
 1990770,1990876,107,END:Starts:1990435-1990110-
 1991056,1991380,325,EXACT,AG-GT
 1991769,1991990,222,EXACT,AG-GT
 1992459,1995950,3492,START:Ends:1996866-1996773-1994729-
 ID=NCLIV_006750 - 17 A..ATG
 1998854,1998999,146,END:Starts:1998380-1998349-1998350-
 1999586,1999681,96,EXACT,AG-GT
 2000403,2000493,91,EXACT,AG-GT
 2000921,2001023,103,EXACT,AG-GT
 2001494,2001570,77,EXACT,AG-GT
 2002159,2002213,55,EXACT,AG-GT
 2002364,2002416,53,EXACT,AG-GT
 2002705,2002772,68,START: end 22 GT
 2003309,2003372,64
 2003830,2003884,55,EXACT,AG
 2004356,2004413,58,EXACT,AG-GT
 2004950,2005007,58,EXACT,AG-GT
 2005477,2005593,117,START: end 531 GT
 2005885,2005985,101,OVER: start -408 and end 139 GT
 2006497,2006567,71
 2007397,2007664,268
 2008671,2008938,268
 ID=NCLIV_006770 - 8 A..ATG
 2020767,2020984,218,END:Starts:2020154-2020236-2020064-
 2021246,2021322,77,EXACT,AG-GT
 2021521,2021835,315,EXACT,AG-GT
 2022141,2022257,117,EXACT,AG-GT
 2022544,2022654,111,EXACT,TAG|TGA|TAA:AG-GT
 2022811,2022883,73,EXACT,TAG|TGA|TAA:AG-GT
 2023187,2023509,323,EXACT,AG-GT
 2023965,2025316,1352,START:Ends:2024764-2025624-
 ID=NCLIV_006780 - 2 A..ATG
 2027444,2027878,435,END:Starts:2026641-2026724-2026656-
 2028259,2028414,156,START:Ends:2029962-2035204-2029577-
 ID=NCLIV_006810 - 1 A..ATG
 2043519,2044715,1197
 ID=NCLIV_006840 - 6 TCTATGG

2057633,2057726,94,END:Starts:2056784-2056711-2056805-
2057936,2058314,379,START: end -56 GT
2058762,2058840,79
2059578,2059732,155
2060111,2060468,358
2060604,2060927,324
ID=NCLIV_006850 - 10 CTCATGG
2063989,2064177,189,END:Starts:2063170-2063156-2063169-
2064770,2064878,109,EXACT,AG-GT
2065182,2065279,98,START: end 172 AG-GT
2065777,2065839,63,EXACT,AG-GT
2066151,2066231,81,EXACT,AG-GT
2066745,2066797,53,EXACT,AG-GT
2067173,2067353,181,EXACT,AG-GT
2067928,2068215,288,EXACT,AG-GT
2068892,2075073,6182
2075412,2075424,13
ID=NCLIV_006870 - 1 CCGATGG
2088340,2088699,360,OVER:Starts:2084890-2086584-
ID=NCLIV_006880 - 46 GCAATGT
2094082,2094259,178,END:EXACT
2094911,2094979,69,EXACT,AG-GT
2095554,2095656,103,EXACT,AG-GT
2096200,2096310,111,EXACT,AG-GT
2096576,2096682,107,EXACT,AG-GT
2097493,2097598,106,EXACT,AG-GT
2097935,2098093,159,EXACT,AG-GT
2098308,2098559,252,EXACT,AG-GT
2099015,2099175,161,EXACT,AG-GT
2099943,2100033,91,EXACT,AG-GT
2100295,2100343,49,EXACT,AG-GT
2100786,2100923,138,EXACT,AG-GT
2101036,2101125,90,EXACT,GT
2101533,2101646,114,EXACT,AG
2102059,2102124,66,EXACT,AG-GT
2102504,2102603,100,EXACT,AG-GT
2102899,2103062,164,START: end -15 GT
2103596,2103671,76,END: start 14 AG (ref:AC-GT)<< Possible error
2104047,2104196,150,EXACT,AG-GT
2104749,2104939,191,EXACT,AG-GT
2105818,2105899,82,EXACT,AG-GT
2106416,2106505,90,EXACT,AG-GT
2107071,2107209,139,EXACT,AG-GT
2107805,2107904,100,EXACT,AG-GT
2108451,2108539,89,EXACT,AG-GT
2108872,2108967,96,START: end -27 GT
2109370,2109432,63,END: start 9 AG (ref:AC-GT)<< Possible error
2109841,2109941,101,EXACT,AG-GT
2110723,2110853,131,EXACT,AG-GT
2111295,2111522,228,EXACT,Info:AG-GT-AG-GC-acceptor=AT-
2112017,2112166,150,EXACT,AG-GT
2112787,2112887,101,EXACT,AG-GT
2113317,2113410,94,EXACT,AG-GT
2113836,2113914,79,EXACT,AG-GT
2114254,2114354,101,EXACT,ATG:AG-GT
2114667,2115395,729,EXACT,AG-GT
2115987,2116130,144,EXACT,AG-GT
2116753,2116862,110,EXACT,AG-GT
2117457,2117603,147,EXACT,AG-GT
2117959,2118484,526,EXACT,AG-GT

2119492,2119597,106,EXACT,AG-GT
 2120047,2120170,124,START: end 3 GT
 2120686,2120821,136,END: start 7 AG
 2121543,2121632,90,EXACT,AG-GT
 2122033,2122137,105,EXACT,AG-GT
 2122494,2122673,180,START:Ends:2124408-2124405-
 ID=NCLIV_006910 - 3 A..ATG
 2147135,2147250,116,END:Starts:2146497-2145773-
 2147648,2147768,121,START: end -11 GT
 2148286,2148618,333,START:Starts:2148681-2148286-

CHROMOSOME III – FORWARD

ID=NCLIV_006940 + 2 CAAATGG
 38118,38262,145
 38812,39836,1025
 ID=NCLIV_006950 + 2 [CT]..ATG[ACT]
 46533,52973,6441
 53769,56372,2604
 ID=NCLIV_006970 + 15 G..ATGG
 67617,71713,4097,END:Starts:71238-71263-71155-
 72280,72688,409,START: end -45 AG-GC (ref:AG-GT)<< Possible error
 73104,73343,240,EXACT,AG-GT
 74012,74101,90,EXACT,AG-GT
 74759,74933,175,EXACT,AG-GT
 75185,75428,244,EXACT,AG-GT
 75724,76158,435,EXACT,AG-GT
 76464,76749,286,EXACT,AG-GT
 77225,77451,227,EXACT,AG-GT
 77829,79239,1411,EXACT,AG-GT
 79575,79685,111,START: end -1 AG
 80300,80452,153,END: start -3 GT (ref:AG-GT)<< Possible error
 80892,80984,93,EXACT,AG-GT
 81484,82086,603,EXACT,AG-GT
 82729,83106,378,START:Ends:83373-83600-84283-
 ID=NCLIV_006980 + 15 A..ATG
 88517,88756,240,END:Starts:85149-85347-85298-
 89246,89431,186,EXACT,AG-GT
 89862,89975,114,EXACT,AG-GT
 90338,90398,61,EXACT,AG-GT
 90891,91042,152,EXACT,AG-GT
 91386,91523,138,EXACT,AG-GT
 91985,92164,180,EXACT,AG-GT
 92710,92800,91,EXACT,AG-GT
 93117,93219,103,START: end -15 AG
 93693,93789,97,END: start -3 GT (ref:AG-GT)<< Possible error
 94162,94250,89,EXACT,ATG:AG-GT
 94726,94861,136,EXACT,AG-GT
 95278,97001,1724,EXACT,AG-GT
 97323,97457,135,EXACT,AG-GT
 97995,98334,340,START:Ends:100404-101040-101062-
 ID=NCLIV_006990 + 10 A..ATG
 102665,102730,66,OVER:Starts:102098-102501-
 103041,103299,259,END: start -540 GT
 103931,104042,112,EXACT,AG-GT
 104643,104760,118,EXACT,AG
 105087,105148,62
 106034,106092,59,END: start -101 AG-GT (ref:AG-GT)<< Possible error
 107228,107294,67,START: end 95 AG-GT (ref:AG-GT)<< Possible error
 108043,108376,334,EXACT,AG-GT

108988,109164,177,EXACT,AG-GT
 109692,110447,756,START:Ends:110763-114947-110759-
 ID=NCLIV_007030 + 3 A..ATG
 129380,129554,175,END:Starts:127643-129108-128934-
 130001,130146,146,EXACT,AG-GT
 130694,130801,108,START:Ends:131534-131570-131542-
 ID=NCLIV_007050 + 2 A..ATG
 141502,142187,686
 142756,143140,385
 ID=NCLIV_007080 + 3 G..ATGG
 166774,167150,377,END:Starts:166436-166556-165908-
 167574,168065,492,EXACT,AG-GT
 168601,168925,325,START:Ends:169466-172166-169487-
 ID=NCLIV_007100 + 8 GACATGT
 181553,181641,89,END:Starts:180203-180666-
 181907,182182,276,START: end 672 AG
 182405,182854,450,END: start -498 AG
 183287,183825,539,START: end 2033 AG
 184466,185858,1393,END: start -1179 AG
 186198,186571,374,END: start -10 GT
 186967,187191,225,START: end 29 AG-GT
 187361,187584,224
 ID=NCLIV_007110 + 3 A..ATG
 195587,195662,76,END:Starts:195339-195424-194863-
 196494,196795,302,EXACT,AG-GT
 197478,197555,78,START:Ends:197732-197728-197714-
 ID=NCLIV_007140 + 2 A..ATG
 212979,213406,428
 214057,215914,1858
 ID=NCLIV_007160 + 1 GCGATGA
 222771,223460,690
 ID=NCLIV_007170 + 3 [CT]..ATG[ACT]
 227138,227151,14
 227530,227974,445
 228471,228698,228
 ID=NCLIV_007190 + 6 A..ATG
 233979,236081,2103,END:Starts:234624-232487-
 237201,237724,524,EXACT,AG
 238488,239231,744,EXACT,ATG:AG-GT
 239690,239974,285,EXACT,AG
 240459,241160,702,END: start 11 GT (ref:AG-GT)<< Possible error
 241830,241935,106,START:Ends:242722-242611-242685-
 ID=NCLIV_007220 + 17 CCAATGG
 248610,248796,187,END:Starts:248373-248369-
 249061,249366,306,EXACT,AG-GT
 249751,249953,203,EXACT,AG-GT
 250256,250406,151,END: start -14 AG-GT
 250642,250915,274,EXACT,AG-GT
 251052,251215,164,EXACT,AG-GT
 251605,251715,111,EXACT,AG-GT
 252042,252175,134,EXACT,AG-GT
 252586,252820,235,START: end -11 AG
 253085,253249,165,END: start -4 GT (ref:AG-GT)<< Possible error
 253959,254168,210,EXACT,AG-GT
 254409,254556,148,EXACT,AG-GT
 255052,255211,160,EXACT,AG-GT
 255629,255811,183,EXACT,AG-GT
 256101,256192,92,EXACT,AG-GT
 256614,256725,112,EXACT,AG-GT
 256873,257079,207,START:Ends:257731-257745-257737-

ID=NCLIV_007230 + 1 [CT]..ATG[ACT]
 261924,263720,1797
 ID=NCLIV_007260 + 1 A..ATG
 278398,280941,2544
 ID=NCLIV_007300 + 12 A..ATG
 315878,315892,15
 316324,316451,128
 316756,316849,94
 317348,317439,92
 317840,317966,127
 319100,319214,115
 319732,319833,102
 320213,320231,19
 322527,322620,94
 322874,323016,143
 323175,323301,127
 323586,323690,105
 ID=NCLIV_007310 + 6 [CT]..ATG[ACT]
 329236,329312,77,END:EXACT
 329730,329889,160,EXACT,AG-GT
 331076,331170,95,EXACT,AG-GT
 331535,331610,76,EXACT,AG-GT
 331744,331854,111,START: end -32 AG-GT (ref:AG-GT)<< Possible error
 332153,332248,96,START:Ends:333266-333251-333279-
 ID=NCLIV_007330 + 10 A..ATG
 349362,349589,228,END:Starts:347842-349166-348992-
 350045,350167,123,START: end 69 AG
 350878,351063,186,EXACT,GT
 351626,351938,313,EXACT,AG-GT
 352275,352378,104,EXACT,AG-GT
 352743,352983,241,EXACT,AG-GT
 353584,353684,101,EXACT,AG-GT
 354219,354452,234,EXACT,AG-GT
 354807,354895,89,EXACT,TAG|TGA|TAA:AG-GT
 355283,355355,73,START:Ends:355827-355818-355908-
 ID=NCLIV_007340 + 2 A..ATG
 358370,358808,439
 359099,360705,1607
 ID=NCLIV_007370 + 6 [CT]..ATG[ACT]
 397744,397899,156
 398513,398583,71
 399350,399456,107
 399989,400152,164
 400553,400700,148,END: start 115 GT
 401030,401172,143,START:Ends:401815-401624-
 ID=NCLIV_007390 + 11 A..ATG
 411096,411176,81
 411978,412296,319,END: start -35 GT
 413122,413234,113,EXACT,AG-GT
 413555,413696,142,START: end -4 Info:AG-GT-AG-GC-
 413997,414075,79,END: start -4 GT (ref:AG-GT)<< Possible error
 414612,414708,97,EXACT,AG-GT
 415272,415350,79,EXACT,AG-GT
 415644,415733,90,EXACT,AG-GT
 416147,416272,126,EXACT,AG-GT
 416623,417005,383,EXACT,AG-GT
 417332,417487,156,START:Ends:420011-420052-417980-
 ID=NCLIV_007420 + 4 G..ATGG
 429412,429607,196,END:Starts:428892-428913-428912-
 429937,429992,56,EXACT,AG-GT

430192,430240,49,EXACT,AG-GT
 430745,431235,491,START:Ends:431447-431392-431441-
 ID=NCLIV_007430 + 3 [CT]..ATG[ACT]
 435844,436331,488,OVER:EXACT
 436392,438264,1873,END: start -1366 GT
 439049,439543,495,START:EXACT
 ID=NCLIV_007450 + 1 [CT]..ATG[ACT]
 447651,449309,1659
 ID=NCLIV_007500 + 8 A..ATG
 488703,489732,1030,END:Starts:488268-488173-
 490372,490457,86,EXACT,AG-GT
 491758,491811,54,EXACT,AG-GT
 492567,492694,128,START: end 3 AG
 493175,493223,49,EXACT,AG-GT
 493556,493792,237,EXACT,AG-GT
 494183,494548,366,EXACT,AG-GT
 494777,495022,246,START:Ends:495640-495628-495618-
 ID=NCLIV_007510 + 2 A..ATG
 498304,500032,1729,END:Starts:496312-497874-496505-
 500549,501255,707,START:Ends:502497-502546-502682-
 ID=NCLIV_007560 + 4 A..ATG
 534059,534313,255,END:Starts:533633-533397-
 534629,534718,90,EXACT,AG
 534993,535148,156
 535591,536589,999
 ID=NCLIV_007580 + 15 A..ATG
 550597,552902,2306,END:Ends:553071-552902-
 553485,553864,380,EXACT,AG-GT
 554144,554335,192,EXACT,AG-GT
 554681,554748,68,EXACT,AG-GT
 555229,555399,171,START: end -6 AG
 555613,555699,87,END: start 23 GT
 555986,556057,72,EXACT,AG-GT
 556474,556614,141,EXACT,AG-GT
 557089,557207,119,EXACT,AG-GT
 557491,557618,128,EXACT,AG-GT
 558114,558291,178,START: end 21 AG-GT
 558774,558989,216,EXACT,AG-GT
 559499,559673,175,EXACT,AG-GT
 560037,560328,292,EXACT,AG-GT
 560780,561060,281,START:Ends:562990-564797-565005-
 ID=NCLIV_007600 + 1 CTGATGG
 569570,571834,2265
 ID=NCLIV_007610 + 10 TCGATGG
 574725,574876,152,END:Starts:573597-573585-
 575534,575634,101,EXACT,AG-GT
 576291,576486,196
 577019,577104,86
 577392,577508,117
 577827,577910,84,END: start 21 GT
 578051,578115,65,START: end -13 AG
 578558,578649,92,END: start 8 GT (ref:AG-GT)<< Possible error
 578982,579047,66,EXACT,AG-GT
 579895,579943,49,START:Ends:580604-580554-580599-
 ID=NCLIV_007630 + 12 A..ATG
 589008,589053,46
 589980,590776,797,END: start -581 GT (ref:AG-GT)<< Possible error
 591093,591194,102,EXACT,AG-GT
 592054,592144,91,EXACT,AG-GT
 592671,592804,134,EXACT,AG-GT

593367,593428,62,EXACT,AG-GT
 594056,594195,140,EXACT,AG-GT
 594746,594879,134,EXACT,AG-GT
 595071,595196,126,EXACT,AG-GT
 595388,595534,147,EXACT,AG-GT
 595884,596065,182,EXACT,AG-GT
 596508,596604,97,START:Ends:596842-596929-596954-
 ID=NCLIV_007650 + 4 [CT]..ATG[ACT]
 605197,606072,876
 606510,606642,133
 607138,607514,377
 608433,608675,243
 ID=NCLIV_007690 + 15 A..ATG
 641924,642377,454
 642649,642804,156
 643554,643747,194
 644501,644638,138
 644820,644946,127
 645484,645678,195
 645838,645903,66
 646204,646810,607
 647074,647313,240
 647658,647834,177
 648347,648473,127
 648976,649230,255
 649486,650227,742
 650594,650798,205
 651045,651117,73
 ID=NCLIV_007710 + 16 [CT]..ATG[ACT]
 660050,660057,8,END:Starts:657503-657509-
 661503,661593,91,START: end 83 AG
 662107,662264,158,END: start 14 GT (ref:AG-GT)<< Possible error
 662716,662824,109,EXACT,AG-GT
 663555,663629,75,EXACT,AG-GT
 664119,664881,763,EXACT,AG-GT
 665410,665607,198,EXACT,AG-GT
 665803,666176,374,EXACT,AG-GT
 666673,666714,42,EXACT,AG-GT
 667726,667781,56,EXACT,AG-GT
 668285,668606,322,EXACT,AG-GT
 668888,670177,1290,EXACT,AG-GT
 670378,670624,247,EXACT,AG-GT
 670773,671134,362,START: end 295 AG-GT (ref:AG-GT)<< Possible error
 671285,671429,145,END: start -512 AG-GT (ref:AG-GT)<< Possible error
 671791,672311,521,START:Ends:673570-679200-673624-
 ID=NCLIV_007720 + 1 GGAATGC
 675258,676118,861
 ID=NCLIV_007730 + 17 A..ATG
 679939,679954,16,END:EXACT
 680249,680525,277,EXACT,AG-GT
 680835,680887,53,EXACT,AG-GT
 681081,681222,142,EXACT,AG-GT
 681618,681740,123,EXACT,AG-GT
 682449,682543,95,EXACT,AG-GT
 683186,683334,149,EXACT,AG-GT
 683786,683939,154,EXACT,AG-GT
 684337,684455,119,EXACT,AG-GT
 684930,685150,221,EXACT,AG-GT
 685516,685731,216,EXACT,AG-GT
 686276,686343,68,END: start -1 GT (ref:AG-GT)<< Possible error

686741,687390,650,EXACT,AG-GT
687962,688330,369,EXACT,AG-GT
688809,689015,207,EXACT,AG-GT
689387,689542,156,EXACT,AG-GT
689797,689955,159,START:Ends:690193-690176-690344-
ID=NCLIV_007740 + 3 CTGATGG
692057,692507,451
692767,692930,164
693763,694347,585
ID=NCLIV_007760 + 6 A..ATG
704190,704284,95,END:Starts:703047-703355-
704926,705010,85,EXACT,AG-GT
705505,705570,66
705914,706014,101
706625,706706,82,END: start -212 GT
707078,707479,402,START:Ends:708397-708402-
ID=NCLIV_007780 + 7 [CT]..ATG[ACT]
713560,713649,90
714010,714214,205
714789,714991,203
715286,715515,230
716126,716766,641
717032,717136,105
719526,720841,1316
ID=NCLIV_007800 + 30 A..ATG
730163,730325,163,END:Starts:729158-729290-
731205,731383,179,EXACT,AG-GT
732231,732276,46,EXACT,AG-GT
733023,733214,192,EXACT,AG-GT
733695,734138,444,EXACT,AG-GT
734704,734904,201,EXACT,AG-GT
735548,735886,339,EXACT,AG-GT
736474,736716,243,EXACT,AG-GT
737034,737063,30,START: end -5 AG
737771,737836,66
738267,738329,63
738948,739454,507,END: start -142 GT
740215,740292,78,EXACT,AG-GT
740894,740962,69,EXACT,AG-GT
741445,741675,231,START: end 2 AG
741861,741995,135,END: start 7 GT (ref:AG-GT)<< Possible error
742492,742596,105,EXACT,AG-GT
742773,743045,273,EXACT,AG-GT
743847,744008,162,EXACT,AG-GT
744260,744763,504,EXACT,AG-GT
745271,745309,39,EXACT,AG-GT
745732,745982,251,EXACT,AG-GT
746490,746619,130,EXACT,AG-GT
747170,747199,30,EXACT,TAG|TGA|TAA:AG-GT
747589,748026,438,EXACT,AG-GT
748549,748881,333,START: end 141 Info:AG-GT-donor=GG-AG-GC-
749357,749709,353,END: start -100 GT (ref:AG-GT)<< Possible error
749923,750124,202,EXACT,AG-GT
750545,750580,36,EXACT,AG-GT
750752,750795,44,START:Ends:751330-751368-751386-
ID=NCLIV_007810 + 1 A..ATG
757131,762254,5124,OVER:Starts:759798-754393-
ID=NCLIV_007840 + 4 G..ATGG
779420,779532,113,END:Starts:778153-778520-
779972,780689,718,EXACT,AG-GT

781203,781613,411,START: end 2956 AG
782025,782324,300,OVER:Ends:782074-784569-
ID=NCLIV_007860 + 11 A..ATG
790765,790844,80
791783,791925,143,EXACT,AG-GT
792775,792969,195,EXACT,AG-GT
793391,793876,486,EXACT,AG-GT
794309,794447,139,EXACT,ATG:AG-GT
794863,794974,112,EXACT,AG-GT
795465,795569,105,EXACT,AG-GT
795873,796014,142,EXACT,AG-GT
796240,796355,116,EXACT,AG-GT
796757,796884,128,EXACT,AG-GT
797114,797180,67,START:Ends:797952-797751-797924-
ID=NCLIV_007870 + 6 A..ATG
799950,800976,1027
801427,802152,726
802394,802486,93
803655,803938,284
804939,804984,46
805267,805685,419
ID=NCLIV_007880 + 15 G..ATGG
809467,810512,1046,END:Starts:808018-808011-808001-
810976,811123,148,EXACT,AG-GT
811719,811899,181,EXACT,AG-GT
812136,812736,601,EXACT,AG-GT
813208,813774,567,EXACT,AG-GT
814154,814286,133,EXACT,AG-GT
814686,814826,141,EXACT,AG-GT
815204,815263,60,EXACT,AG-GT
815701,815783,83,EXACT,AG-GT
816086,816242,157,EXACT,AG-GT
816824,817143,320,EXACT,AG-GT
817719,818475,757,EXACT,AG-GT
818733,819169,437,EXACT,AG-GT
819347,819849,503,EXACT,AG-GT
820044,820312,269,START:Ends:820973-820950-820707-
ID=NCLIV_007900 + 7 A..ATG
822629,822677,49
823109,823299,191,END: start -167 GT
823399,823596,198,EXACT,AG-GT
823714,823902,189,EXACT,AG-GT
824069,824235,167,EXACT,AG-GT
824357,824522,166,EXACT,AG-GT
824644,824874,231,START:EXACT
ID=NCLIV_007905 + 8 A..ATG
826492,826696,205
826756,826796,41
826881,826940,60
826994,827054,61
827107,827169,63
827229,827353,125
827407,827499,93
827549,827923,375
ID=NCLIV_007910 + 3 G..ATGG
831149,835039,3891,WITHIN:Starts:828920-832946-832955-
835199,837400,2202,START: end 2122 AG
837590,837976,387,OVER:Ends:839522-839891-835750-
ID=NCLIV_007930 + 8 A..ATG
850215,850346,132,END:Starts:849822-847283-

850957,851107,151,START: end 443 AG
 851615,851844,230
 852389,852471,83
 852976,853081,106
 853407,853514,108
 854460,854561,102
 854801,854968,168
 ID=NCLIV_007950 + 3 A..ATG
 862276,862377,102,END:Starts:861809-861822-861680-
 862959,863087,129,EXACT,AG-GT
 863430,863615,186,START:Ends:863880-863884-863799-
 ID=NCLIV_007970 + 3 CCCATGG
 870241,870499,259
 871333,871547,215
 871676,872080,405
 ID=NCLIV_007990 + 4 A..ATG
 883449,883667,219,END:Starts:883171-882916-
 884014,884203,190,START: end -1 AG
 884740,884864,125,END: start 1 GT
 885571,885711,141,START:EXACT
 ID=NCLIV_008000 + 2 GAAATGT
 891784,894576,2793
 895960,896055,96
 ID=NCLIV_008010 + 10 CCAATGG
 898672,899577,906,END:Starts:899399-899311-897788-
 900266,900384,119,EXACT,AG-GT
 900849,900934,86,EXACT,AG-GT
 901328,902222,895,END: start 84 AG-GT (ref:AG-GT)<< Possible error
 902741,902846,106,START: end 77 Info:TAG|TGA|TAA:AG-GT-AG-GT-donor=AA-
 903600,903844,245,END: start -459 TAG|TGA|TAA:AG-GT
 904467,904592,126,START: end -6 AG
 904974,905072,99,END: start 17 GT (ref:AG-GT)<< Possible error
 905532,905671,140,EXACT,AG-GT
 906438,906709,272,START:Ends:907198-907202-
 ID=NCLIV_008030 + 4 A..ATG
 924728,925000,273,END:Starts:924363-924370-924366-
 925581,925679,99,EXACT,AG-GT
 926424,926500,77,EXACT,AG-GT
 926887,927046,160,START:Ends:928402-928047-928390-
 ID=NCLIV_008060 + 3 [CT]..ATG[ACT]
 942714,943889,1176
 944341,944701,361
 945311,945372,62
 ID=NCLIV_008065 + 1 [CT]..ATG[ACT]
 946767,948170,1404
 ID=NCLIV_008070 + 2 A..ATG
 949245,949274,30
 949659,950084,426
 ID=NCLIV_008110 + 6 [CT]..ATG[ACT]
 992525,992633,109,OVER:Starts:991825-992003-
 993598,993841,244,END: start -353 AG-GT
 994163,995168,1006,EXACT,AG-GT
 995418,995891,474,EXACT,AG-GT
 996285,996435,151,EXACT,AG-GT
 996759,997243,485,START:Ends:997409-997728-
 ID=NCLIV_008140 + 2 TAGCCGC
 1050088,1050410,323,START:Ends:1056390-1059577-
 1050766,1054435,3670,OVER:Ends:1056390-1059577-
 ID=NCLIV_008150 + 7 CTCATGG
 1059303,1059305,3,OVER:Ends:1056390-1059577-

1059858,1060039,182,END: start -175 GT
 1060668,1060742,75,EXACT,AG-GT
 1061363,1061438,76,EXACT,AG-GT
 1062260,1062427,168,EXACT,AG-GT
 1062738,1062891,154,EXACT,AG-GT
 1063231,1063394,164,START:Ends:1063967-1063950-1065337-
 ID=NCLIV_008170 + 4 G..ATGG
 1075112,1075339,228,END:Starts:1074819-1074861-1074820-
 1075675,1075815,141,EXACT,AG-GT
 1076229,1076366,138,EXACT,AG-GT
 1076809,1076979,171,START:Ends:1077871-1077901-1077906-
 ID=NCLIV_008175 + 2 [CT]..ATG[ACT]
 1078412,1079039,628
 1079546,1079718,173
 ID=NCLIV_008180 + 1 A..ATG
 1082169,1083965,1797
 ID=NCLIV_008210 + 1 A..ATG
 1119920,1122085,2166
 ID=NCLIV_008255 + 26 G..ATGG
 1158839,1159296,458
 1160128,1160330,203
 1160777,1161221,445
 1161721,1161931,211
 1162586,1162819,234
 1163513,1163697,185
 1164222,1164307,86
 1165524,1165630,107
 1167010,1167066,57
 1167266,1167464,199
 1167917,1168196,280
 1168847,1169233,387
 1170006,1170309,304
 1170689,1170749,61
 1171379,1171780,402
 1172197,1172784,588
 1173296,1173670,375
 1174291,1174388,98
 1175247,1175323,77
 1175849,1176235,387
 1176410,1176768,359
 1177011,1177157,147
 1177670,1177827,158
 1178303,1178531,229
 1179124,1179174,51
 1180080,1180468,389
 ID=NCLIV_008245 + 28 [CT]..ATG[ACT]
 1180865,1181119,255
 1181295,1181423,129
 1181788,1181953,166
 1182684,1182820,137
 1183617,1183743,127
 1184022,1184224,203
 1185049,1185173,125
 1185362,1185746,385
 1186230,1186565,336,END: start -25 GT (ref:AG-GT)<< Possible error
 1186891,1187090,200,EXACT,AG-GT
 1187261,1187618,358,EXACT,AG-GT
 1188187,1188288,102,EXACT,AG
 1189299,1189595,297,EXACT,AG-GT
 1190169,1190503,335,EXACT,AG-GT

1191016,1191061,46,EXACT,AG-GT
 1191637,1192149,513,EXACT,AG-GT
 1192655,1192962,308,START: end 1759 AG
 1194596,1194746,151
 1195347,1195571,225
 1196045,1196266,222
 1196806,1197438,633
 1197844,1197925,82
 1198253,1198321,69
 1198765,1198901,137
 1199148,1199522,375,EXACT,GT
 1199993,1200171,179,EXACT,AG-GT
 1200359,1200500,142,EXACT,AG-GT
 1200952,1201008,57,START:Ends:1201490-1201927-
 ID=NCLIV_008270 + 6 A..ATG
 1214870,1215171,302,END:Starts:1213838-1213859-1213858-
 1215689,1216208,520,EXACT,AG-GT
 1216583,1216664,82,EXACT,AG-GT
 1217001,1217194,194,EXACT,AG-GT
 1217778,1217975,198,EXACT,AG-GT
 1218395,1218493,99,START:Ends:1219170-1219162-1219169-
 ID=NCLIV_008290 + 1 A..ATG
 1227014,1228609,1596
 ID=NCLIV_008300 + 7 A..ATG
 1231210,1231802,593
 1232103,1233769,1667,END: start 21 GT (ref:AG-GT)<< Possible error
 1234406,1234975,570,EXACT,AG-GT
 1235757,1235856,100,EXACT,AG-GT
 1236297,1238829,2533,EXACT,AG-GT
 1239427,1239941,515,START: end 1619 AG
 1240099,1240609,511,OVER:Ends:1241626-1241560-1241507-
 ID=NCLIV_008320 + 10 A..ATG
 1248704,1249430,727,END:Starts:1248843-1248301-1247824-
 1250212,1250339,128,EXACT,AG-GT
 1250884,1251001,118,EXACT,AG-GT
 1251663,1251865,203,EXACT,AG-GT
 1252243,1252353,111,EXACT,AG-GT
 1252713,1252938,226,START: end 2 AG
 1253251,1253318,68
 1253775,1253862,88
 1254420,1254610,191,END: start -257 GT
 1255008,1255202,195,START:Ends:1255951-1256038-
 ID=NCLIV_008340 + 3 A..ATG
 1269789,1269875,87,END:Starts:1269455-1269476-1269341-
 1270553,1270622,70,EXACT,AG-GT
 1270945,1271144,200,START:Ends:1271929-1271970-1271968-
 ID=NCLIV_008360 + 1 GCAATGC
 1278152,1279033,882
 ID=NCLIV_008370 + 1 A..ATG
 1286609,1287328,720
 ID=NCLIV_008380 + 1 A..ATG
 1290461,1291945,1485
 ID=NCLIV_008400 + 7 [CT]..ATG[ACT]
 1301516,1301562,47,END:Starts:1300409-1300380-
 1302090,1302411,322,EXACT,AG-GT
 1302942,1303428,487,EXACT,TAG|TGA|TAA:AG-GT
 1304092,1304240,149,EXACT,AG-GT
 1304528,1304960,433,EXACT,ATG:AG-GT
 1305661,1305886,226,EXACT,AG-GT
 1306074,1306221,148,START:Ends:1307066-1307018-

ID=NCLIV_008410 + 3 A..ATG
 1309163,1309193,31,END:Starts:1308375-1308226-1308408-
 1310097,1310205,109,EXACT,AG-GT
 1310707,1310941,235,START:Ends:1311369-1311564-1311388-
 ID=NCLIV_008425 + 3 A..ATG
 1320068,1320161,94,END:Starts:1319590-1319649-1319606-
 1320786,1320878,93,EXACT,AG-GT
 1321458,1321480,23,START:Ends:1325386-1322226-1322343-
 ID=NCLIV_008440 + 2 GGGATGC
 1334230,1335103,874
 1335816,1336513,698
 ID=NCLIV_008460 + 4 [CT]..ATG[ACT]
 1362857,1363289,433
 1363506,1363713,208
 1364123,1364263,141
 1364632,1364686,55
 ID=NCLIV_008480 + 7 A..ATG
 1376079,1376163,85,END:Starts:1375444-1375414-
 1376479,1376557,79,EXACT,AG
 1376895,1377016,122,EXACT,GT
 1377249,1377682,434,EXACT,AG-GT
 1378021,1378200,180,EXACT,AG-GT
 1378668,1381117,2450,EXACT,AG-GT
 1381571,1381685,115,START:Ends:1382031-1382706-
 ID=NCLIV_008500 + 8 A..ATG
 1390729,1390933,205,OVER:Starts:1389961-1389835-
 1391270,1391505,236,END: start -1435 GT
 1392458,1392610,153,EXACT,AG-GT
 1393435,1393573,139,EXACT,AG-GT
 1394160,1394316,157,EXACT,AG-GT
 1394922,1395013,92,EXACT,AG-GT
 1395620,1395716,97,EXACT,AG-GT
 1396174,1396675,502,START:Ends:1397271-1397299-
 ID=NCLIV_008520 + 1 A..ATG
 1405309,1406070,762
 ID=NCLIV_008540 + 2 A..ATG
 1417049,1417631,583,END:Starts:1416771-1417350-1416668-
 1418050,1418618,569,START:Ends:1420485-1419917-
 ID=NCLIV_008560 + 1 A..ATG
 1425324,1430873,5550
 ID=NCLIV_008570 + 15 A..ATG
 1433602,1435360,1759,END:Starts:1432868-1435077-1432869-
 1435796,1435891,96,START: end 249 AG-GT (ref:AG-GT)<< Possible error
 1436650,1437256,607,EXACT,AG-GT
 1437590,1438405,816,EXACT,AG-GT
 1438696,1438807,112,EXACT,AG-GT
 1439147,1439287,141,EXACT,AG-GT
 1439511,1439950,440,EXACT,AG-GT
 1440508,1440604,97,EXACT,AG-GT
 1441130,1441224,95,EXACT,AG-GT
 1441741,1442001,261,EXACT,AG-GT
 1442340,1442532,193,EXACT,AG-GT
 1442675,1442835,161,EXACT,AG-GT
 1443171,1443275,105,EXACT,AG-GT
 1443689,1443746,58,EXACT,AG-GT
 1444069,1444203,135,START:Ends:1444485-1446363-1446430-
 ID=NCLIV_008580 + 2 A..ATG
 1447302,1452281,4980
 1452513,1453946,1434
 ID=NCLIV_008590 + 1 [CT]..ATG[ACT]

1454931,1455572,642
ID=NCLIV_008600 + 1 GTAATGC
1456875,1458464,1590
ID=NCLIV_008620 + 4 A..ATG
1469107,1469191,85,OVER:Starts:1467696-1468897-1467682-
1469728,1469794,67,END: start -2032 GT (ref:AG-GT)<< Possible error
1470223,1470389,167,EXACT,AG-GT
1470786,1470937,152,START:Ends:1471754-1470818-1471569-
ID=NCLIV_008650 + 3 A..ATG
1498697,1498971,275
1500495,1500663,169,EXACT,AG-GT
1500978,1501217,240,START:EXACT
ID=NCLIV_008660 + 54 A..ATG
1504180,1504195,16,END:EXACT
1505348,1505581,234,EXACT,AG-GT
1505902,1508112,2211,EXACT,AG-GT
1508416,1508602,187,EXACT,AG-GT
1508927,1509219,293,EXACT,AG-GT
1509509,1509895,387,EXACT,AG-GT
1510259,1511235,977,END: start 128 GT (ref:AG-GT)<< Possible error
1511668,1512218,551,EXACT,AG-GT
1512565,1512959,395,EXACT,AG-GT
1513397,1514470,1074,EXACT,AG-GT
1514940,1515172,233,START: end 2 AG
1515606,1515735,130,END: start 10 GT
1516047,1516167,121,EXACT,AG-GT
1516473,1516576,104,EXACT,AG-GT
1516743,1516912,170,EXACT,AG-GT
1517228,1517320,93,EXACT,AG
1517724,1517830,107,EXACT,GT
1518167,1518243,77,START: end 2 AG
1518514,1518627,114,END: start 24 GT (ref:AG-GT)<< Possible error
1519242,1519299,58,EXACT,AG-GT
1519675,1519778,104,EXACT,AG-GT
1520328,1520594,267,EXACT,AG-GT
1520983,1521319,337,START: end -16 AG
1521682,1521785,104,EXACT,GT
1522161,1522318,158,EXACT,AG-GT
1522763,1522881,119,EXACT,AG-GT
1523335,1523417,83,EXACT,AG-GT
1523867,1524023,157,START: end -2 AG
1524291,1524402,112,END: start 13 GT
1524710,1524800,91,EXACT,AG-GT
1525193,1525262,70,EXACT,AG-GT
1525665,1525840,176,EXACT,AG-GT
1526302,1526421,120,EXACT,AG-GT
1526879,1526950,72,EXACT,AG-GT
1527535,1527693,159,EXACT,AG-GT
1528038,1528103,66,EXACT,AG-GT
1528253,1529347,1095,EXACT,AG-GT
1529652,1529811,160,EXACT,AG-GT
1530300,1530403,104,EXACT,AG-GT
1530986,1531134,149,EXACT,AG-GT
1531359,1531535,177,EXACT,AG-GT
1532232,1532703,472,EXACT,AG-GT
1533209,1533308,100,EXACT,TAG|TGA|TAA:AG-GT
1533723,1533762,40,EXACT,AG-GT
1534187,1534300,114,EXACT,AG-GT
1534666,1534785,120,EXACT,AG-GT
1534943,1535071,129,EXACT,AG-GT

1535801,1535918,118,EXACT,AG-GT
 1536252,1536420,169,EXACT,AG-GT
 1536942,1537016,75,EXACT,AG-GT
 1537335,1537478,144,EXACT,AG-GT
 1537983,1538097,115,EXACT,AG-GT
 1538253,1538412,160,EXACT,AG-GT
 1538907,1538971,65,START:Ends:1540014-1540085-1540083-
 ID=NCLIV_008670 + 5 GCCATGT
 1543117,1543204,88,END:Starts:1542295-1542378-1542289-
 1543711,1543810,100,EXACT,AG-GT
 1544206,1544326,121,START: end 206 AG
 1544725,1544832,108,END: start -13 GT (ref:AG-GT)<< Possible error
 1545237,1545362,126,START:Ends:1545700-1547197-1545747-
 ID=NCLIV_008690 + 2 [CT]..ATG[ACT]
 1555875,1555970,96
 1557065,1558186,1122
 ID=NCLIV_008710 + 12 A..ATG
 1568008,1568646,639
 1569006,1569081,76
 1569484,1569646,163,OVER: start -459 and end 831 GT
 1571016,1571167,152,EXACT,AG
 1571572,1571703,132,EXACT,AG-GT
 1571969,1572053,85,EXACT,AG-GT
 1572653,1572729,77,EXACT,AG-GT
 1573191,1573278,88,EXACT,AG-GT
 1573757,1573910,154,EXACT,AG-GT
 1574072,1574161,90,EXACT,AG-GT
 1574512,1574615,104,EXACT,AG-GT
 1574729,1574999,271,START:Ends:1576698-1576805-
 ID=NCLIV_008740 + 12 A..ATG
 1589716,1589849,134,END:EXACT
 1590087,1590162,76,EXACT,AG-GT
 1590428,1590502,75,EXACT,AG-GT
 1590831,1590887,57,EXACT,AG-GT
 1591429,1591506,78,EXACT,AG-GT
 1591998,1592114,117,EXACT,AG-GT
 1592647,1592748,102,EXACT,AG-GT
 1593159,1593199,41,EXACT,AG-GT
 1594341,1594512,172,END: start -436 GT (ref:AG-GT)<< Possible error
 1594810,1594871,62,EXACT,AG-GT
 1595271,1595377,107,END: start -4 GT (ref:AG-GT)<< Possible error
 1596063,1596169,107,START:Ends:1599255-1600941-1599221-
 ID=NCLIV_008760 + 5 GCCATGA
 1599945,1600941,997,END:EXACT
 1601436,1602446,1011,EXACT,AG-GT
 1602718,1602816,99,EXACT,TAG|TGA|TAA:AG-GT
 1603359,1603469,111,EXACT,AG-GT
 1603950,1604125,176,START:Ends:1604855-1604472-1604128-
 ID=NCLIV_008780 + 18 A..ATG
 1614521,1614897,377,END:Starts:1612298-1614402-
 1615557,1616400,844,END: start 552 GT
 1617295,1617595,301,EXACT,AG-GT
 1618242,1618442,201,EXACT,AG-GT
 1618659,1618808,150,EXACT,AG
 1619265,1619298,34
 1619611,1619770,160
 1620106,1620183,78
 1620459,1620519,61
 1620744,1620830,87
 1621233,1621313,81

1621722,1621799,78
 1622187,1622251,65
 1622572,1622622,51
 1623197,1623228,32
 1623862,1623961,100
 1624287,1624382,96,END: start 22 GT
 1624943,1625752,810,START:Ends:1626159-1626216-
 ID=NCLIV_008790 + 3 A..ATG
 1628316,1628771,456,END:Starts:1627433-1627394-
 1629796,1630691,896,EXACT,AG-GT
 1631165,1631477,313,START:EXACT
 ID=NCLIV_008810 + 5 G..ATGG
 1639483,1639551,69,END:Starts:1638972-1638993-1638952-
 1640299,1640412,114,EXACT,AG-GT
 1641244,1641378,135,EXACT,AG-GT
 1641985,1642053,69,EXACT,AG-GT
 1642476,1642556,81,START:Ends:1642664-1643010-1643002-
 ID=NCLIV_008820 + 7 [CT]..ATG[ACT]
 1645998,1647332,1335,END:Starts:1644519-1646399-
 1647745,1648376,632,EXACT,AG-GT
 1648711,1648866,156,EXACT,AG-GT
 1649066,1650319,1254,EXACT,GT
 1650511,1650550,40,EXACT,AG
 1650744,1651393,650,END: start 240 GT (ref:AG-GT)<< Possible error
 1651890,1652757,868,START:EXACT
 ID=NCLIV_008840 + 7 A..ATG
 1660257,1662522,2266,END:Starts:1658890-1659689-
 1662990,1663207,218,EXACT,AG-GT
 1663541,1663825,285,START: end -4 AG
 1664179,1664308,130,END: start -2 GT (ref:AG-GT)<< Possible error
 1664628,1664857,230,END: start -12 AG-GT
 1664948,1665334,387,EXACT,AG-GT
 1665537,1665692,156,START:Ends:1666515-1666546-1666566-
 ID=NCLIV_008880 + 1 A..ATG
 1688081,1688314,234,OVER:Ends:1688642-1688946-
 ID=NCLIV_008920 + 3 A..ATG
 1711202,1711383,182,END:Starts:1710941-1710954-1710923-
 1711734,1712147,414,EXACT,AG-GT
 1712281,1712887,607,START:Ends:1713371-1714969-1713214-
 ID=NCLIV_008960 + 6 TCAATGG
 1719704,1720064,361,END:Starts:1717635-1719151-1719098-
 1720199,1720277,79,EXACT,ATG:AG-GT
 1720680,1720860,181,EXACT,AG-GT
 1721029,1721133,105,EXACT,AG-GT
 1721282,1721395,114,EXACT,AG-GT
 1721761,1722420,660,START:Ends:1723026-1721864-
 ID=NCLIV_008990 + 1 G..ATGG
 1739380,1740264,885
 ID=NCLIV_009010 + 5 A..ATG
 1753375,1753512,138
 1753877,1754101,225
 1754441,1754653,213
 1754785,1755033,249
 1755276,1755533,258
 ID=NCLIV_009060 + 2 [CT]..ATG[ACT]
 1771698,1771883,186,END:Starts:1771498-1771490-1771482-
 1772742,1772903,162,START:Ends:1773378-1773386-1773396-
 ID=NCLIV_009080 + 2 A..ATG
 1781145,1781197,53
 1781438,1783163,1726

ID=NCLIV_009100 + 9 [CT]..ATG[ACT]
 1789255,1789629,375
 1790092,1790533,442
 1791776,1791937,162
 1792686,1792904,219
 1793133,1793917,785,EXACT,GT
 1794714,1794781,68,EXACT,AG-GT
 1795390,1795474,85,END: start -255 AG-GT
 1795732,1796122,391,EXACT,AG-GT
 1796728,1796849,122,START:Ends:1797247-1798339-1797171-
 ID=NCLIV_009120 + 6 A..ATG
 1807948,1809196,1249
 1809438,1809517,80
 1809722,1809948,227
 1810428,1810612,185
 1811023,1811114,92
 1811701,1811811,111
 ID=NCLIV_009150 + 11 A..ATG
 1830336,1830672,337
 1831068,1831347,280
 1831782,1831839,58
 1832037,1832173,137
 1832551,1832570,20,OVER: start -18 and end 1121 GT
 1832849,1832967,119,OVER: start -316 and end 724 GT
 1833635,1833691,57,END: start -1102 GT
 1834013,1834076,64,EXACT,AG-GT
 1834553,1834609,57,START: end 861 Info:AG-GT-ATG:AG-GT-
 1835188,1835470,283,END: start -635 Info:AG-GT-ATG:AG-GT-
 1836198,1837047,850,START:Ends:1840325-1842925-
 ID=NCLIV_009170 + 2 A..ATG
 1844607,1844930,324,END:Starts:1843424-1843430-1843417-
 1845313,1845564,252,START:EXACT
 ID=NCLIV_009200 + 5 A..ATG
 1865540,1868107,2568,END:Starts:1863889-1866668-1864122-
 1868861,1868995,135,EXACT,AG-GT
 1869433,1869696,264,EXACT,AG-GT
 1870312,1870744,433,EXACT,AG-GT
 1871287,1871441,155,START:Ends:1872303-1872282-1872300-
 ID=NCLIV_009210 + 11 [CT]..ATG[ACT]
 1875486,1875557,72,OVER:EXACT
 1875867,1884872,9006,END: start -1289 GT (ref:AG-GT)<< Possible error
 1885103,1885288,186,EXACT,AG-GT
 1885893,1886242,350,EXACT,AG-GT
 1886750,1886859,110,EXACT,AG-GT
 1887748,1887906,159,EXACT,AG-GT
 1888181,1888380,200,START: end 155 AG-GT
 1888703,1889421,719,EXACT,AG-GT
 1889795,1889983,189,EXACT,AG-GT
 1890399,1890573,175,EXACT,AG-GT
 1890877,1891032,156,START:Ends:1891826-1891413-1891481-
 ID=NCLIV_009220 + 3 GCAATGC
 1894184,1898601,4418,END:Starts:1893832-1897023-1895526-
 1898984,1899146,163,EXACT,AG-GT
 1899576,1900637,1062
 ID=NCLIV_009240 + 1 [CT]..ATG[ACT]
 1910827,1913700,2874
 ID=NCLIV_009250 + 1 G..ATGG
 1917979,1918269,291
 ID=NCLIV_009270 + 4 A..ATG
 1926596,1928388,1793,END:Starts:1925737-1925721-1925744-

1928802,1928885,84,START: end 95 AG
1929327,1929764,438,EXACT,GT
1930323,1930539,217,START:Ends:1931702-1931546-
ID=NCLIV_009280 + 1 A..ATG
1933283,1935007,1725
ID=NCLIV_009300 + 6 A..ATG
1942962,1943094,133,END:Starts:1942233-1942225-1942234-
1943821,1944086,266,EXACT,AG-GT
1944427,1944690,264,EXACT,AG-GT
1945116,1945229,114,EXACT,AG-GT
1945652,1945735,84,EXACT,AG-GT
1946152,1947150,999,START:Ends:1948266-1948260-1948187-
ID=NCLIV_009320 + 1 GAGATGT
1953269,1955389,2121
ID=NCLIV_009350 + 9 [CT]..ATG[ACT]
1972974,1973101,128,OVER:Starts:1970774-1972320-
1973164,1973470,307,END: start -844 GT
1973614,1973799,186
1974097,1974659,563
1975236,1975344,109,START: end -7 AG
1975650,1975789,140,END: start -1 GT
1976600,1976762,163,START: end -48 AG-GC
1976918,1977057,140,EXACT,AG-GT
1977617,1977758,142,START:Ends:1978325-1978347-1978346-
ID=NCLIV_009390 + 13 A..ATG
2002556,2002804,249,END:Starts:2002220-2002354-
2003441,2003613,173,EXACT,AG
2003812,2003915,104
2004327,2004448,122
2004925,2005017,93
2005725,2005881,157
2006296,2006465,170,END: start 19 GT
2006994,2007059,66,EXACT,AG-GT
2007428,2007562,135,EXACT,AG-GT
2008277,2008482,206,EXACT,AG-GT
2008853,2008930,78,EXACT,AG-GT
2009366,2009560,195,EXACT,AG-GT
2010259,2010391,133,START:Ends:2010995-2010980-2010978-
ID=NCLIV_009410 + 17 A..ATG
2023094,2023357,264,END:Starts:2022231-2022229-
2023768,2024080,313,EXACT,AG-GT
2024743,2024858,116,EXACT,AG-GT
2025322,2025394,73,EXACT,ATG:AG-GT
2026103,2026185,83,EXACT,AG-GT
2026605,2026721,117,EXACT,AG-GT
2027134,2027220,87,EXACT,AG-GT
2027587,2027655,69,EXACT,AG
2028112,2028262,151,EXACT,GT
2028861,2028972,112,EXACT,AG-GT
2029324,2029765,442,EXACT,AG-GT
2030012,2030455,444,EXACT,AG-GT
2030839,2030938,100,EXACT,AG-GT
2031370,2031920,551,EXACT,AG-GT
2032133,2032548,416,EXACT,AG-GT
2033127,2033252,126,EXACT,AG-GT
2033502,2033649,148,START:Ends:2033749-2038003-2037583-
ID=NCLIV_009420 + 3 [CT]..ATG[ACT]
2036595,2036621,27,OVER:Ends:2033749-2038003-2037583-
2036868,2038372,1505
2038772,2038850,79

ID=NCLIV_009440 + 12 A..ATG
 2044329,2044539,211,END:Starts:2042738-2044380-2043542-
 2045057,2045253,197,EXACT,AG-GT
 2045485,2045711,227,EXACT,AG-GT
 2046432,2046768,337,EXACT,AG-GT
 2047087,2047256,170,EXACT,AG-GT
 2047653,2047966,314,EXACT,AG-GT
 2048252,2048444,193,EXACT,AG-GT
 2048672,2048867,196,EXACT,AG-GT
 2049328,2049441,114,EXACT,AG-GT
 2049885,2050138,254,EXACT,AG-GT
 2050519,2050648,130,EXACT,AG-GT
 2050944,2051051,108,START:Ends:2051946-2051991-2052166-
 ID=NCLIV_009470 + 4 A..ATG
 2064598,2064751,154,END:Starts:2063721-2063729-2063726-
 2065462,2066289,828,EXACT,AG-GT
 2066578,2066765,188,START: end -138 AG-GT
 2066998,2067165,168,START:Ends:2067927-2067059-
 ID=NCLIV_009490 + 7 GAAATGA
 2118125,2118312,188,END:EXACT
 2118672,2118980,309,START: end 3 AG
 2119633,2120023,391,END: start 18 GT
 2120337,2120454,118,EXACT,AG-GT
 2120677,2120814,138,START: end 5 AG
 2120961,2121154,194,END: start 8 GT
 2121312,2121512,201,START:Ends:2124631-2124710-
 ID=NCLIV_009510 + 4 A..ATG
 2129287,2129311,25,END:Starts:2129273-2128783-2128763-
 2129537,2129622,86,EXACT,AG-GT
 2130244,2130339,96,EXACT,AG-GT
 2130775,2130858,84,START:EXACT

CHROMOSOME III – REVERSE

ID=NCLIV_006930 - 2 GCAATGA
 35472,35682,211,END:Starts:29981-27174-34893-
 36031,36161,131,START:Ends:36467-36463-36442-
 ID=NCLIV_006960 - 8 TTTATGG
 58959,59192,234,END:Starts:57280-57351-
 59549,59653,105,EXACT,AG-GT
 60446,60515,70,END: start -145 AG
 61122,61360,239,EXACT,AG-GT
 61776,62105,330,START: end -15 GT
 62672,62907,236
 63343,63509,167
 63973,63983,11
 ID=NCLIV_007000 - 4 A..ATG
 111745,111754,10,END:Starts:109696-111561-111602-
 112157,112391,235,EXACT,AG-GT
 112763,112921,159,EXACT,AG-GT
 113987,114134,148,START:Ends:114933-114947-114948-
 ID=NCLIV_007010 - 10 A..ATG
 117044,117550,507,END:Starts:116875-116855-116884-
 117784,117869,86,EXACT,AG-GT
 118016,118265,250,EXACT,AG-GT
 118486,118605,120,EXACT,AG-GT
 118814,118877,64,EXACT,AG-GT
 119207,119301,95,EXACT,AG-GT
 119594,119862,269,EXACT,ATG:AG-GT
 120361,120582,222,EXACT,AG-GT

120774,121091,318,EXACT,AG-GT
 121493,121811,319,START:Ends:123104-122880-122686-
 ID=NCLIV_007020 - 3 G..ATGG
 124465,124664,200
 124867,127038,2172
 128138,128186,49
 ID=NCLIV_007040 - 7 A..ATG
 133170,133433,264,END:Starts:131983-131950-132478-
 134257,134596,340,EXACT,AG-GT
 134959,135427,469,START: end 5 AG-GT
 135676,135818,143,END: start 18 AG (ref:AC-GT)<< Possible error
 136254,136549,296,EXACT,AG-GT
 136881,136958,78,EXACT,AG-GT
 137604,138107,504,START:Ends:138430-138461-
 ID=NCLIV_007060 - 7 A..ATG
 149600,149671,72,END:Starts:147487-149158-149370-
 150315,150389,75,EXACT,AG-GT
 150558,150872,315,EXACT,ATG:AG-GT
 151359,151454,96,EXACT,AG-GT
 151854,151965,112,EXACT,AG-GT
 152796,152897,102,START: end -15 GT
 153548,154089,542
 ID=NCLIV_007070 - 5 A..ATG
 160428,160687,260
 161198,161355,158
 161548,161663,116
 162084,162141,58
 163213,163421,209
 ID=NCLIV_007090 - 10 GCAATGC
 171139,171239,101,END:Starts:170559-167582-
 171671,171753,83,START: end 386 GT
 171879,171969,91,OVER: start -208 and end 170 GT
 173650,173697,48,END: start -122 AG
 174943,174991,49,EXACT,AG-GT
 175423,175509,87,START: end 2 GT
 176067,176138,72,END: start 6 AG (ref:AC-GT)<< Possible error
 176439,176944,506,START: end 1 GT
 177183,177272,90,END: start 7 AG
 177634,178015,382,START:Ends:177950-177955-
 ID=NCLIV_007105 - 1 GCGATGC
 191616,192131,516
 ID=NCLIV_007120 - 12 G..ATGG
 200691,200730,40
 201307,201394,88,EXACT,AG-GT
 201687,201760,74,EXACT,AG-GT
 202451,202914,464,START: end 308 GT
 203561,203890,330,END: start 33 Info:donor=TG-AG-GT-AG-GC- (ref:AC-GT)<< Possible error
 204289,204378,90,EXACT,AG-GT
 204708,204758,51,EXACT,AG-GT
 205176,205600,425,EXACT,AG-GT
 206016,206256,241,START: end -36 AG-GT (ref:AC-GT)<< Possible error
 206663,206734,72,START: end 109 GT
 207215,207495,281
 207884,208016,133
 ID=NCLIV_007130 - 1 A..ATG
 210923,212305,1383
 ID=NCLIV_007150 - 1 A..ATG
 217560,219524,1965
 ID=NCLIV_007180 - 3 A..ATG
 230166,230294,129,END:Starts:229822-229787-229863-

230578,230667,90,EXACT,AG-GT
 231677,231733,57,START:EXACT
 ID=NCLIV_007200 - 2 A..ATG
 243264,243437,174
 243728,244915,1188
 ID=NCLIV_007210 - 5 A..ATG
 246412,246486,75
 246551,246582,32
 246640,246654,15
 246710,246777,68
 246831,247048,218
 ID=NCLIV_007240 - 8 A..ATG
 266724,266749,26
 267513,267772,260,END: start -100 AG (ref:AC-GT)<< Possible error
 267931,268043,113,EXACT,AG-GT
 268538,268618,81,EXACT,AG-GT
 268861,269058,198,EXACT,AG-GT
 269431,269631,201,EXACT,AG-GT
 270004,270222,219,START: end 56 AG
 270504,270629,126,START:Ends:271155-271115-
 ID=NCLIV_007250 - 1 [CT]..ATG[ACT]
 274036,275334,1299
 ID=NCLIV_007270 - 3 CAAATGG
 283031,283102,72,END:EXACT
 283578,283732,155,EXACT,AG-GT
 284117,285035,919,START:Ends:286289-286292-284905-
 ID=NCLIV_007280 - 15 A..ATG
 287604,287852,249
 288485,288576,92
 289186,289355,170
 289507,289757,251
 290140,290238,99
 290706,290753,48
 291151,291248,98
 291862,291897,36,EXACT,AG
 292462,292564,103,EXACT,AG-GT
 293005,293631,627,START: end 217 GT
 294251,294376,126,END: start -227 AG
 294704,294783,80,EXACT,AG-GT
 295415,295606,192,EXACT,AG-GT
 296038,296919,882,EXACT,AG-GT
 297404,299198,1795,START:Ends:299921-300074-298213-
 ID=NCLIV_007290 - 8 [CT]..ATG[ACT]
 302837,303455,619,END:Starts:301675-301696-
 303806,304196,391,END: start 74 AG
 304792,305412,621,START: end -43 GT
 305744,306050,307,END: start 7 AG (ref:AC-GT)<< Possible error
 306537,306746,210,EXACT,AG-GT
 307232,307366,135,EXACT,AG-GT
 307746,307866,121,EXACT,AG-GT
 308263,308795,533,START:Ends:309798-308755-
 ID=NCLIV_007320 - 9 A..ATG
 336373,337986,1614,END:Starts:334821-334815-334535-
 338256,338387,132,END: start -18 AG-GT (ref:AC-GT)<< Possible error
 338801,338935,135,EXACT,AG-GT
 339094,339309,216,EXACT,AG-GT
 339724,339887,164,EXACT,AG-GT
 340179,340326,148,EXACT,AG-GT
 340522,340691,170,EXACT,AG-GT
 340826,341531,706,EXACT,AG-GT

341748,343997,2250,START:EXACT
 ID=NCLIV_007350 - 6 [CT]..ATG[ACT]
 363262,363273,12
 364176,364654,479,EXACT,AG-GT
 365174,366003,830,EXACT,AG-GT
 366508,367540,1033,END: start -228 AG-GT
 368250,368378,129,START: end 1303 GT
 368844,369063,220,OVER:Ends:369694-369681-369406-
 ID=NCLIV_007360 - 1 [CT]..ATG[ACT]
 393525,394484,960
 ID=NCLIV_007380 - 1 G..ATGG
 402438,407636,5199
 ID=NCLIV_007400 - 2 [CT]..ATG[ACT]
 420324,420416,93
 421712,424270,2559
 ID=NCLIV_007410 - 1 TCAATGG
 427488,427889,402
 ID=NCLIV_007440 - 1 [CT]..ATG[ACT]
 442671,443270,600
 ID=NCLIV_007460 - 4 G..ATGG
 451388,451536,149
 452323,453405,1083
 454046,454823,778
 455193,458186,2994
 ID=NCLIV_007470 - 9 [CT]..ATG[ACT]
 461938,463643,1706,END:Starts:461281-461176-461154-
 464196,464939,744,EXACT,AG-GT
 465505,465629,125,EXACT,AG-GT
 465877,466029,153,EXACT,AG-GT
 466575,466716,142,EXACT,AG-GT
 467357,467450,94,EXACT,AG-GT
 468093,468268,176,EXACT,AG-GT
 468580,468678,99,EXACT,AG-GT
 469140,469509,370,START:Ends:470255-470268-
 ID=NCLIV_007480 - 2 A..ATG
 471922,471996,75,OVER:Ends:473321-473381-
 472530,472742,213,OVER:Ends:473321-473381-
 ID=NCLIV_007490 - 4 G..ATGG
 482789,483632,844,END:Starts:482128-482025-482134-
 484184,484233,50,EXACT,AG-GT
 484510,485614,1105,EXACT,AG-GT
 486040,486710,671,START:Ends:487669-486911-
 ID=NCLIV_007520 - 1 [CT]..ATG[ACT]
 503662,504729,1068
 ID=NCLIV_007530 - 6 [CT]..ATG[ACT]
 507471,507544,74,END:Starts:506507-506986-507002-
 508286,508335,50,EXACT,AG-GT
 508989,509026,38,START: end 223 GT
 509583,509641,59
 510030,510137,108
 511188,511278,91
 ID=NCLIV_007540 - 1 A..ATG
 511897,520758,8862
 ID=NCLIV_007550 - 3 A..ATG
 528277,528494,218,END:Starts:527675-527551-527199-
 528973,529378,406,EXACT,AG-GT
 530342,530800,459,START:Ends:532008-532034-531829-
 ID=NCLIV_007570 - 10 CCCATGG
 541414,541483,70
 542044,542110,67

542322,542374,53
 542799,542832,34
 543380,543440,61
 544110,544289,180
 544602,544676,75
 545089,545232,144
 545666,546045,380
 546489,546705,217
 ID=NCLIV_007590 - 3 A..ATG
 564317,564549,233,END:Starts:563043-560792-
 564941,565034,94,EXACT,AG-GT
 565806,567752,1947,START:Ends:568489-568492-
 ID=NCLIV_007620 - 5 TCAATGG
 586047,586237,191,END:Starts:585141-585150-585165-
 586849,586957,109,START: end -6 GT
 587218,587477,260
 587872,587976,105,EXACT,AG
 588479,588662,184,START:Ends:589168-589203-
 ID=NCLIV_007640 - 1 A..ATG
 598221,599759,1539
 ID=NCLIV_007660 - 11 G..ATGG
 612337,612545,209
 614003,614132,130
 614830,614956,127
 615372,615548,177
 615804,615926,123
 616444,617044,601
 617609,617674,66
 617858,618052,195
 618443,618569,127
 619094,619252,159
 619544,619732,189
 ID=NCLIV_007670 - 6 [CT]..ATG[ACT]
 622528,622605,78,END:Starts:621951-621851-622030-
 622975,623201,227,EXACT,ATG:AG-GT
 623515,624539,1025,EXACT,AG-GT
 624873,625041,169,EXACT,AG-GT
 625402,625456,55
 625827,626150,324,OVER:Ends:625884-627382-626211-
 ID=NCLIV_007680 - 3 [CT]..ATG[ACT]
 632367,632450,84,END:Starts:631744-631818-631851-
 632673,632788,116,START: end 352 AG-GT (ref:AC-GT)<< Possible error
 634348,637516,3169
 ID=NCLIV_007700 - 6 A..ATG
 652803,652861,59,END:Starts:652126-651950-
 653259,653298,40,EXACT,GT
 653888,653983,96
 654330,654461,132,END: start 7 AG-GC (ref:AC-GT)<< Possible error
 655014,655126,113,EXACT,AG-GT
 655721,656531,811,START:Ends:657286-657284-657217-
 ID=NCLIV_007750 - 5 GACATGC
 697816,697866,51
 698161,698219,59,EXACT,AG-GT
 698806,699698,893,START: end 390 GT
 700143,700318,176,EXACT,AG-GT
 700901,702097,1197
 ID=NCLIV_007770 - 2 A..ATG
 709065,709993,929,END:Starts:708760-708731-708785-
 710437,710644,208,START:Ends:711230-710859-710874-
 ID=NCLIV_007790 - 5 A..ATG

722593,722834,242,END:Starts:722182-722263-722147-
 723036,723340,305,EXACT,AG-GT
 723695,723872,178,EXACT,AG-GT
 724740,725075,336,EXACT,AG-GT
 725835,725964,130,START:Ends:726846-726797-
 ID=NCLIV_007820 - 4 CATATGG
 763725,765003,1279
 765259,765418,160
 765801,765929,129
 766671,766917,247
 ID=NCLIV_007830 - 6 A..ATG
 770612,770731,120,END:Starts:769415-769800-769442-
 771299,771803,505,EXACT,AG-GT
 772398,772542,145,EXACT,AG-GT
 772967,773989,1023,START: end -642 AG-GT
 774692,775219,528,EXACT,AG-GT
 775996,776584,589,START:Ends:778027-776225-
 ID=NCLIV_007850 - 7 A..ATG
 784005,784097,93,END:Starts:783407-781646-783314-
 784295,784339,45
 784600,784647,48,EXACT,AG-GT
 785015,785163,149,START: end 723 GT
 786589,786670,82
 786886,787011,126
 787244,787363,120
 ID=NCLIV_007890 - 7 A..ATG
 821094,821126,33
 821189,821250,62
 821308,821336,29
 821398,821438,41
 821496,821548,53
 821604,821639,36
 821697,821901,205
 ID=NCLIV_007920 - 8 A..ATG
 840201,840266,66
 841211,841267,57
 842083,842292,210
 843610,843705,96
 843890,844075,186
 844891,844952,62
 845354,845517,164
 845934,846103,170
 ID=NCLIV_007940 - 1 G..ATGG
 857374,861054,3681
 ID=NCLIV_007960 - 2 A..ATG
 865356,866386,1031
 866491,867625,1135
 ID=NCLIV_007980 - 2 A..ATG
 875020,879621,4602,END:Ends:878707-879621-
 879966,881168,1203,START:Ends:881482-881595-880783-
 ID=NCLIV_008020 - 9 A..ATG
 908355,908838,484
 909215,909574,360,EXACT,AG-GT
 910184,910854,671,EXACT,AG-GT
 911340,911789,450,END: start -138 AG-GC (ref:AC-GT)<< Possible error
 912846,913635,790,EXACT,AG-GT
 914194,914261,68,EXACT,AG-GT
 914994,916496,1503,EXACT,AG-GT
 916686,917934,1249,EXACT,AG-GT
 919119,920737,1619,START:Ends:922037-921983-921284-

ID=NCLIV_008040 - 7 GGTATGC
 930137,930211,75
 930434,930607,174
 931028,931136,109
 931402,931493,92
 931707,931841,135
 932295,933124,830
 933758,933845,88
 ID=NCLIV_008050 - 1 GCTATGC
 940223,940693,471
 ID=NCLIV_008080 - 8 A..ATG
 957796,957948,153,END:Starts:957179-956102-957204-
 958454,958870,417,EXACT,AG-GT
 959149,959251,103,EXACT,AG-GT
 959779,959858,80,EXACT,AG-GT
 960330,961606,1277,EXACT,AG-GT
 961911,962382,472,END: start -60 AG-GT
 962616,962777,162,EXACT,AG-GT
 963602,964771,1170,START:Ends:966526-967407-966280-
 ID=NCLIV_008090 - 4 A..ATG
 972288,972458,171
 972817,974151,1335
 974458,975383,926
 975772,975946,175
 ID=NCLIV_008100 - 12 A..ATG
 978164,978289,126,END:Starts:977891-977927-
 978547,978642,96,EXACT,AG-GT
 978896,978948,53,EXACT,AG-GT
 979447,979705,259,EXACT,AG-GT
 980680,981090,411,EXACT,AG-GT
 981522,981878,357,START: end 2 GT
 982124,982283,160,END: start 7 AG
 982673,983108,436,START: end -49 GT
 983700,983912,213,EXACT,AG-GC
 984609,984713,105,EXACT,AG-GT
 985133,985849,717,EXACT,AG-GT
 986946,987177,232,START:Ends:988846-987034-
 ID=NCLIV_008120 - 10 A..ATG
 998507,1000150,1644,END:Starts:997833-996926-997925-
 1000723,1002973,2251,EXACT,AG-GT
 1003534,1005962,2429,START: end 1 GT
 1006291,1016439,10149
 1016602,1018087,1486,END: start -10305 AG (ref:AC-GT)<< Possible error
 1018633,1019248,616,EXACT,AG-GT
 1019690,1020292,603,EXACT,AG-GT
 1020730,1023529,2800,EXACT,AG-GT
 1023682,1025516,1835,EXACT,AG-GT
 1026460,1026568,109,START:Ends:1026765-1027903-1027856-
 ID=NCLIV_008130 - 6 A..ATG
 1041859,1041940,82,END:EXACT
 1042317,1042396,80,START: end 275 AG-GT
 1042836,1042917,82,EXACT,AG-GT
 1043178,1043331,154,EXACT,AG-GT
 1043566,1043668,103,EXACT,AG-GT
 1044149,1045279,1131,START:Ends:1046425-1046403-1046402-
 ID=NCLIV_008160 - 9 TGAATGG
 1064157,1064197,41,OVER:Starts:1064009-1063361-1064079-
 1064938,1065340,403,END: start -929 AG (ref:AC-GT)<< Possible error
 1065718,1066089,372,EXACT,AG-GT
 1066688,1066786,99,EXACT,AG-GT

1067329,1067369,41,EXACT,AG-GT
 1067615,1067686,72,EXACT,AG-GT
 1067910,1067964,55,EXACT,AG-GT
 1068408,1069630,1223,EXACT,AG-GT
 1070091,1071615,1525,START:Ends:1072585-1072455-
 ID=NCLIV_008190 - 6 [CT]..ATG[ACT]
 1086364,1086590,227,END:Starts:1085479-1085490-1085500-
 1086867,1086959,93,EXACT,AG-GT
 1087163,1087256,94,EXACT,AG-GT
 1087450,1094467,7018,START: end -3409 GT
 1094805,1094929,125
 1096105,1096122,18
 ID=NCLIV_008200 - 7 GAGATGC
 1099219,1099515,297
 1100108,1108150,8043
 1108520,1111020,2501
 1111654,1112022,369
 1112306,1112440,135
 1113173,1113729,557
 1114110,1114333,224
 ID=NCLIV_008220 - 11 [CT]..ATG[ACT]
 1126755,1126973,219
 1127175,1127456,282
 1127891,1128079,189,START: end 693 AG
 1128461,1128772,312,END: start -570 AG
 1128971,1129197,227,EXACT,AG-GT
 1129642,1129893,252,EXACT,TAG/TGAI/TAA:AG-GT
 1130353,1130683,331,START: end -2 GT
 1131255,1132190,936
 1132585,1132953,369
 1133595,1133897,303
 1134512,1134940,429
 ID=NCLIV_008230 - 7 A..ATG
 1138306,1138610,305,END:Starts:1135995-1137156-
 1139131,1139392,262,EXACT,AG-GT
 1139702,1139892,191,START: end -51 GT
 1140210,1140357,148
 1140860,1141429,570,EXACT,AG
 1142808,1142948,141,EXACT,AG-GT
 1143674,1144066,393
 ID=NCLIV_008240 - 1 A..ATG
 1148835,1151552,2718
 ID=NCLIV_008260 - 9 CGAATGG
 1204281,1204385,105,END:EXACT
 1205102,1205215,114,END: start -224 AG-GT (ref:AC-GT)<< Possible error
 1205669,1205756,88,EXACT,AG-GT
 1206263,1206373,111,EXACT,AG-GT
 1207094,1207266,173,EXACT,GT
 1207551,1207713,163
 1208221,1208390,170
 1209050,1209160,111
 1209874,1210044,171
 ID=NCLIV_008280 - 3 G..ATGG
 1222823,1223037,215
 1223481,1223868,388
 1224523,1225851,1329
 ID=NCLIV_008310 - 1 A..ATG
 1243781,1245415,1635
 ID=NCLIV_008330 - 18 A..ATG
 1256285,1256354,70

1256700,1256749,50
1257147,1257220,74
1257551,1257611,61
1258306,1258409,104
1258773,1258815,43
1259276,1259350,75
1259974,1260075,102
1260474,1260527,54
1261115,1261182,68
1261786,1261864,79
1262370,1262541,172
1262978,1263065,88
1263578,1263744,167
1263862,1263954,93
1264607,1264757,151
1265254,1265383,130
1265994,1266179,186
ID=NCLIV_008350 - 4 A..ATG
1273218,1273741,524,END:Starts:1273072-1273189-1273163-
1274191,1274299,109,EXACT,AG-GT
1275123,1275211,89,EXACT,AG-GT
1275601,1275874,274,START:Ends:1277571-1277722-1277649-
ID=NCLIV_008390 - 1 A..ATG
1294743,1296758,2016
ID=NCLIV_008420 - 6 [CT]..ATG[ACT]
1313029,1313080,52,END:EXACT
1313462,1313528,67,EXACT,AG-GT
1313927,1313984,58,EXACT,AG-GT
1314456,1315213,758,EXACT,AG-GT
1315948,1316133,186,START: end 195 AG
1316845,1318258,1414,START:Ends:1317256-1319525-
ID=NCLIV_008430 - 3 A..ATG
1323483,1325413,1931,END:Starts:1322633-1322704-1321486-
1325661,1325712,52,EXACT,AG-GT
1326257,1326334,78,START:Ends:1327899-1328384-1327941-
ID=NCLIV_008450 - 11 [CT]..ATG[ACT]
1352109,1352225,117
1352571,1352720,150
1352998,1353064,67
1353233,1353293,61
1353723,1353762,40
1354086,1354139,54
1354828,1354989,162
1355459,1355584,126
1356040,1356100,61
1356499,1356830,332
1357110,1357175,66
ID=NCLIV_008470 - 10 [CT]..ATG[ACT]
1366826,1366854,29
1367511,1367571,61,START: end -11 GT
1369000,1369160,161,END: start 76 AG
1369608,1369693,86,EXACT,AG-GT
1369913,1370067,155,START: end 146 GT
1370687,1370952,266
1371539,1371581,43
1371812,1372061,250
1372521,1373161,641
1375497,1375520,24
ID=NCLIV_008490 - 8 A..ATG
1383535,1384672,1138,OVER:Starts:1382813-1381612-

1385638,1385933,296,EXACT,AG-GT
1386238,1386364,127,START: end 238 GT
1387020,1387088,69
1387384,1387481,98,END: start -162 AG
1388169,1388272,104,EXACT,AG-GT
1388586,1389003,418,EXACT,ATG:AG-GT
1389386,1389415,30,START:EXACT
ID=NCLIV_008510 - 6 A..ATG
1399371,1399402,32,OVER:Starts:1397625-1397595-1397646-
1399794,1400739,946,END: start -2169 AG (ref:AC-GT)<< Possible error
1401021,1401174,154,START: end 96 GT
1401562,1401654,93,END: start 6 AG (ref:AC-GT)<< Possible error
1402010,1402146,137,EXACT,AG-GT
1402619,1402672,54,START:Ends:1403984-1404107-1403066-
ID=NCLIV_008530 - 9 [CT]..ATG[ACT]
1411184,1411261,78,END:EXACT
1411488,1411609,122,EXACT,AG-GT
1411905,1412048,144,EXACT,AG-GT
1412380,1412458,79,EXACT,AG-GT
1412581,1412701,121,END: start 61 AG-GT (ref:AC-GT)<< Possible error
1412922,1413500,579,START: end 380 AG-GT (ref:AC-GT)<< Possible error
1413799,1413880,82,END: start -877 AG-GT (ref:AC-GT)<< Possible error
1414548,1414742,195,EXACT,AG-GT
1415003,1415243,241,START:EXACT
ID=NCLIV_008550 - 2 A..ATG
1420055,1420739,685,END:Starts:1418061-1420136-
1420996,1421684,689,START:Ends:1421212-1421967-
ID=NCLIV_008610 - 8 [CT]..ATG[ACT]
1461195,1461352,158
1462008,1462434,427
1462900,1463217,318
1463598,1463944,347
1464120,1464158,39
1464619,1464978,360
1466165,1467153,989
1467635,1467654,20
ID=NCLIV_008630 - 32 A..ATG
1472569,1472700,132
1472879,1472971,93
1473461,1473643,183
1473939,1474042,104
1474535,1474679,145
1474833,1474913,81
1475414,1475573,160
1475895,1476042,148
1476603,1476684,82
1477026,1477094,69
1477578,1477668,91
1477980,1478107,128
1478993,1479041,49
1479576,1479729,154
1480082,1480257,176
1480465,1480547,83
1481175,1481291,117
1482222,1482384,163
1482709,1482766,58
1482949,1483116,168
1483451,1483551,101
1483801,1483946,146
1484569,1484641,73

1484755,1484957,203
 1485128,1485285,158
 1486222,1486458,237
 1486722,1486839,118
 1487161,1487264,104
 1487877,1487987,111
 1488739,1488795,57
 1489279,1489560,282
 1490023,1490044,22
 ID=NCLIV_008640 - 1 A..ATG
 1492376,1493821,1446
 ID=NCLIV_008680 - 9 A..ATG
 1547094,1547201,108,END:Starts:1545258-1545889-1545899-
 1547633,1548328,696,EXACT,AG-GT
 1548662,1548836,175,EXACT,AG-GT
 1549456,1549511,56,END: start -9 AG-GC (ref:AC-GT)<< Possible error
 1549610,1549776,167,START: end 8 GT
 1550069,1550154,86,END: start -2 AG (ref:AC-GT)<< Possible error
 1550643,1550789,147,EXACT,AG-GT
 1551191,1551378,188,EXACT,AG-GT
 1552175,1552567,393,START:Ends:1554114-1554868-1554248-
 ID=NCLIV_008700 - 8 G..ATGG
 1560327,1560366,40,END:Starts:1559028-1559010-1559286-
 1560834,1560944,111,EXACT,AG-GT
 1561469,1561518,50,EXACT,AG-GT
 1562017,1562081,65,EXACT,AG-GT
 1562872,1562917,46,EXACT,AG-GT
 1563517,1563628,112,EXACT,AG-GT
 1563983,1564465,483,EXACT,AG-GT
 1565047,1565651,605,START:EXACT
 ID=NCLIV_008720 - 3 A..ATG
 1577451,1578288,838
 1578617,1579684,1068
 1579897,1579952,56
 ID=NCLIV_008730 - 4 A..ATG
 1581656,1581746,91,END:Starts:1581532-1581516-1581510-
 1582314,1582451,138,START: end 659 AG-GT (ref:AC-GT)<< Possible error
 1582879,1583110,232,END: start -565 AG-GT (ref:AC-GT)<< Possible error
 1584470,1584506,37,START:Ends:1584721-1584684-1584681-
 ID=NCLIV_008750 - 2 GGCATGA
 1596557,1596997,441,END:Starts:1596257-1596309-
 1597416,1597568,153,START:Starts:1597416-
 ID=NCLIV_008770 - 1 A..ATG
 1606703,1608985,2283
 ID=NCLIV_008800 - 6 A..ATG
 1633532,1633603,72,END:Starts:1632543-1632964-1632946-
 1634259,1634340,82,START: end 153 GT
 1634856,1635019,164,END: start -49 AG
 1635330,1635653,324,EXACT,AG-GT
 1636388,1637211,824,EXACT,AG-GT
 1637668,1638061,394
 ID=NCLIV_008830 - 2 A..ATG
 1655141,1655373,233
 1655558,1657532,1975
 ID=NCLIV_008850 - 14 A..ATG
 1667782,1669341,1560,OVER:Starts:1667345-1667265-1669508-
 1669562,1669666,105,END: start -2217 AG (ref:AC-GT)<< Possible error
 1670031,1670231,201,EXACT,AG-GT
 1670719,1671043,325,EXACT,AG-GT
 1671468,1671581,114,EXACT,AG-GT

1671960,1672291,332,EXACT,AG-GT
 1672767,1673208,442,EXACT,AG-GT
 1673416,1674032,617,EXACT,AG-GT
 1674654,1675062,409,EXACT,AG-GT
 1675428,1675726,299,EXACT,AG-GT
 1676290,1676499,210,EXACT,AG-GT
 1676949,1677233,285,EXACT,AG-GT
 1677689,1677895,207,EXACT,AG-GT
 1678498,1679337,840,START:Ends:1679869-1679838-
 ID=NCLIV_008860 - 2 A..ATG
 1681626,1682284,659,END:Starts:1681098-1680973-1680921-
 1682984,1683572,589,START:Ends:1684462-1683179-1684444-
 ID=NCLIV_008870 - 2 GAGATGA
 1685972,1686148,177
 1686445,1686645,201
 ID=NCLIV_008890 - 4 G..ATGG
 1692134,1692200,67,END:Starts:1691375-1691337-1691415-
 1692576,1692657,82,EXACT,AG-GT
 1693157,1693229,73,EXACT,ATG:AG-GT
 1693655,1693708,54,START:Ends:1693939-1693820-
 ID=NCLIV_008900 - 3 A..ATG
 1696172,1696220,49,END:EXACT
 1696344,1696447,104,EXACT,TAG|TGA|TAA:AG-GT
 1697418,1697420,3,START:Ends:1697685-1697546-1697555-
 ID=NCLIV_008910 - 8 [CT]..ATG[ACT]
 1703835,1704235,401,END:Starts:1702651-1702397-1702694-
 1704540,1705088,549,EXACT,AG-GT
 1705477,1705595,119,EXACT,AG-GT
 1705751,1705900,150,EXACT,AG-GT
 1705998,1706218,221,EXACT,AG-GT
 1706354,1706580,227,START: end -16 GT
 1706686,1706868,183,EXACT,AG
 1707011,1707443,433,START:Ends:1707983-1707960-1707708-
 ID=NCLIV_008915 - 2 [CT]..ATG[ACT]
 1709870,1710043,174,END:Starts:1708906-1709002-
 1710160,1710696,537,START:Ends:1710726-1710732-
 ID=NCLIV_008940 - 3 A..ATG
 1713358,1713477,120,END:Starts:1712278-1712258-
 1713849,1714062,214,START: end 894 GT
 1714127,1714842,716,OVER:Ends:1715070-1714956-
 ID=NCLIV_008950 - 2 A..ATG
 1717519,1717694,176
 1717756,1717963,208
 ID=NCLIV_008970 - 2 A..ATG
 1724194,1724310,117
 1724623,1726113,1491
 ID=NCLIV_008980 - 13 GGCATGT
 1728560,1728662,103,END:Starts:1727815-1727500-
 1729396,1729494,99,EXACT,AG-GT
 1729927,1730379,453,EXACT,AG-GT
 1730757,1730931,175,START: end 622 AG-GT
 1731431,1731553,123,END: start -674 AG-GT
 1731907,1732005,99,EXACT,AG-GT
 1732271,1732392,122,END: start -66 AG-GT
 1732734,1732798,65,EXACT,AG-GT
 1733072,1733412,341,EXACT,AG-GT
 1733778,1733853,76,EXACT,AG-GT
 1734244,1735742,1499,EXACT,AG-GT
 1736256,1736769,514,EXACT,AG-GT
 1737003,1737842,840,START:Ends:1739089-1739785-

ID=NCLIV_009000	-	6	GCCATGA
1741046,1741074,29			
1741506,1741601,96			
1742140,1742352,213			
1742480,1743310,831			
1743563,1747049,3487			
1747550,1748311,762			
ID=NCLIV_009020	-	8	[CT]..ATG[ACT]
1755865,1755908,44			
1756395,1756526,132			
1756648,1756794,147			
1756891,1756989,99			
1757079,1757230,152			
1757348,1757469,122			
1757574,1757665,92			
1758267,1758303,37			
ID=NCLIV_009030	-	1	[CT]..ATG[ACT]
1759520,1760542,1023			
ID=NCLIV_009040	-	6	A..ATG
1761476,1761526,51			
1761580,1761619,40			
1761683,1761782,100			
1761842,1761881,40			
1761937,1761999,63			
1762060,1762161,102			
ID=NCLIV_009050	-	6	GGCATGA
1763069,1764352,1284			
1765146,1765461,316			
1765677,1765831,155			
1766208,1766399,192			
1766798,1766874,77			
1767775,1768300,526			
ID=NCLIV_009070	-	2	A..ATG
1774126,1777693,3568,END:Starts:1773775-1771498-			
1778394,1779370,977,START:Ends:1780447-1784299-			
ID=NCLIV_009090	-	4	[CT]..ATG[ACT]
1785213,1785296,84			
1786019,1787665,1647			
1788183,1788291,109			
1788623,1788777,155			
ID=NCLIV_009110	-	10	CCAATGG
1798208,1798365,158			
1798754,1798818,65			
1799408,1799483,76			
1800673,1801304,632			
1801630,1801750,121			
1801916,1801963,48			
1802177,1802262,86			
1802665,1802916,252			
1803256,1803575,320			
1804576,1804662,87			
ID=NCLIV_009130	-	2	A..ATG
1813633,1816392,2760			
1816696,1819131,2436			
ID=NCLIV_009140	-	7	A..ATG
1823874,1824007,134,END:Starts:1823411-1823414-1823316-			
1824451,1824646,196,EXACT,AG-GT			
1825003,1825092,90,EXACT,AG-GT			
1825302,1825513,212,EXACT,AG-GT			
1826491,1826688,198,EXACT,AG-GT			

1827207,1827287,81,EXACT,AG-GT
 1827892,1828099,208,START:EXACT
 ID=NCLIV_009160 - 2 A..ATG
 1839555,1840082,528
 1841208,1841582,375
 ID=NCLIV_009180 - 1 [CT]..ATG[ACT]
 1851842,1854694,2853
 ID=NCLIV_009190 - 2 G..ATGG
 1859680,1859796,117,END:Starts:1859484-1859256-1858846-
 1860159,1861142,984,START:Ends:1862176-1861624-1862180-
 ID=NCLIV_009230 - 1 G..ATGG
 1902059,1906519,4461
 ID=NCLIV_009260 - 1 GCGATGC
 1920534,1924379,3846
 ID=NCLIV_009290 - 1 [CT]..ATG[ACT]
 1938811,1939503,693
 ID=NCLIV_009310 - 6 A..ATG
 1948227,1948265,39,END:Starts:1946189-1946170-1946198-
 1948696,1948779,84,EXACT,AG-GT
 1949240,1949422,183,EXACT,AG-GT
 1950207,1950306,100,EXACT,AG-GT
 1950843,1950940,98,EXACT,AG-GT
 1951221,1951280,60,START:Ends:1952032-1951782-1951843-
 ID=NCLIV_009330 - 7 A..ATG
 1957484,1957554,71,END:Starts:1956849-1956826-1956863-
 1957922,1958006,85,EXACT,AG-GT
 1958405,1958461,57,EXACT,AG-GT
 1959227,1959380,154,EXACT,AG-GT
 1960058,1960170,113,EXACT,AG-GT
 1960662,1960731,70,EXACT,AG-GT
 1960820,1960905,86,START:Ends:1961896-1961917-
 ID=NCLIV_009340 - 5 [CT]..ATG[ACT]
 1964821,1965241,421
 1966034,1966449,416
 1966854,1967146,293
 1967582,1967809,228,EXACT,Code:INTERNAL-
 1968062,1968092,31
 ID=NCLIV_009360 - 1 A..ATG
 1979255,1986502,7248
 ID=NCLIV_009370 - 6 A..ATG
 1989539,1990340,802,END:Starts:1990294-1988933-
 1990601,1990849,249,EXACT,AG-GT
 1991215,1991362,148,EXACT,AG-GT
 1991796,1992382,587,EXACT,AG
 1992799,1998198,5400,START: end -3106 GT
 1998776,2001198,2423
 ID=NCLIV_009400 - 1 CAGATGG
 2012385,2018657,6273
 ID=NCLIV_009430 - 3 A..ATG
 2039255,2039529,275
 2039803,2040034,232
 2040719,2040907,189
 ID=NCLIV_009450 - 4 A..ATG
 2053240,2053500,261,END:Starts:2053011-2053009-2053013-
 2053883,2054128,246,EXACT,AG-GT
 2054571,2054611,41,EXACT,AG-GT
 2055522,2055561,40,START:EXACT
 ID=NCLIV_009460 - 9 G..ATGG
 2057828,2057876,49,END:Starts:2057053-2056952-
 2058343,2058402,60,START: end 135 GT

2058914,2059026,113
 2059238,2059277,40
 2059825,2059956,132
 2060355,2060403,49
 2060933,2061002,70
 2061421,2061470,50
 2062193,2062688,496
 ID=NCLIV_009480 - 6 CGCATGG
 2069940,2071934,1995
 2072605,2072626,22
 2073557,2074914,1358
 2075477,2075625,149
 2076318,2076937,620
 2077333,2077364,32
 ID=NCLIV_009495 - 3 A..ATG
 2113310,2113463,154,END:Ends:2111295-2113463-
 2114037,2114349,313,EXACT,AG-GT
 2114713,2115457,745,START:Ends:2116279-2116271-
 ID=NCLIV_009500 - 10 A..ATG
 2121820,2122648,829,OVER:Starts:2121586-2121524-2121315-
 2122819,2123035,217,END: start -1295 AG (ref:AC-GT)<< Possible error
 2123647,2124022,376,EXACT,AG-GT
 2124235,2124631,397,EXACT,AG-GT
 2125140,2125422,283,EXACT,AG-GT
 2125902,2125967,66,EXACT,AG-GT
 2126299,2126378,80,EXACT,AG-GT
 2126685,2126767,83,EXACT,AG-GT
 2127038,2127200,163,EXACT,AG-GT
 2127486,2127736,251,START:Ends:2128565-2128562-

CHROMOSOME IV – FORWARD

ID=NCLIV_009530 + 1 CAGATGG
 42585,46508,3924
 ID=NCLIV_009540 + 5 G..ATGG
 49139,49210,72
 49723,49810,88
 49994,50280,287,EXACT,GT
 50469,50645,177,START: end 67 AG
 51262,51324,63
 ID=NCLIV_009550 + 5 [CT]..ATG[ACT]
 54975,55386,412
 55805,56011,207
 56420,56595,176
 57009,57335,327
 57664,57951,288
 ID=NCLIV_009560 + 3 A..ATG
 59686,59810,125,END:Starts:59097-59098-59321-
 60082,60154,73,EXACT,AG-GT
 60311,60595,285,START:Ends:60954-60955-60953-
 ID=NCLIV_009570 + 6 G..ATGG
 69172,69246,75
 69866,69890,25
 70940,71087,148
 71408,71642,235
 72033,72195,163
 72575,72621,47
 ID=NCLIV_009600 + 4 A..ATG
 82497,84038,1542
 84159,85221,1063

85540,86767,1228
 87045,87294,250
 ID=NCLIV_009610 + 18 A..ATG
 91123,91440,318
 92367,92450,84
 93059,93254,196,EXACT,GT
 93525,93711,187,EXACT,AG-GT
 94171,94245,75,EXACT,AG-GT
 94618,94768,151,EXACT,AG-GT
 95177,95456,280,EXACT,AG
 96126,96282,157
 96996,97094,99
 97649,97994,346
 98429,98565,137
 98925,99021,97,END: start 1 GT (ref:AG-GT)<< Possible error
 99323,99529,207,EXACT,AG-GT
 99926,100026,101,EXACT,AG-GT
 100721,100813,93,EXACT,AG-GT
 101602,101708,107,EXACT,AG-GT
 102046,102149,104,EXACT,AG-GT
 102505,102561,57,START:Ends:102662-104573-
 ID=NCLIV_009630 + 13 A..ATG
 112334,112799,466,END:Starts:111313-111669-111532-
 113592,113744,153,EXACT,AG-GT
 114129,114245,117,EXACT,AG-GT
 114648,114837,190,EXACT,AG-GT
 115209,115467,259,EXACT,AG-GT
 115852,115986,135,EXACT,AG-GT
 116291,116494,204,EXACT,ATG:AG-GT
 116736,116813,78,EXACT,AG-GT
 117270,117379,110,EXACT,AG-GT
 118131,118231,101,EXACT,AG-GT
 118875,119102,228,EXACT,AG-GT
 119484,119695,212,EXACT,AG-GT
 120606,120674,69,START:Ends:121631-122346-
 ID=NCLIV_009640 + 9 [CT]..ATG[ACT]
 123775,124335,561,OVER:Starts:123231-123248-123240-
 124859,124948,90,END: start -1619 GT (ref:AG-GT)<< Possible error
 125198,125611,414,EXACT,AG-GT
 126159,126299,141,EXACT,AG-GT
 126875,126989,115,EXACT,AG-GT
 127346,127521,176,EXACT,AG-GT
 127703,127758,56,EXACT,AG-GT
 128243,128299,57,EXACT,AG-GT
 128635,128701,67,START:Ends:129941-128907-129288-
 ID=NCLIV_009650 + 11 CAAATGG
 133335,133517,183,END:Starts:132456-131830-
 133807,133881,75,EXACT,AG-GT
 134345,134705,361,START: end 4 Info:AG-GT-Stop Codon:AG-GC-
 134913,134965,53,END: start -1 GT
 135558,135607,50,END: start -393 AG-GT
 135975,136058,84,EXACT,AG-GT
 136608,136683,76,EXACT,AG-GT
 137025,137333,309,EXACT,AG-GT
 137687,137757,71,EXACT,AG-GT
 138168,138269,102,EXACT,AG-GT
 138901,138952,52,OVER:Ends:140017-139964-140194-
 ID=NCLIV_009670 + 3 A..ATG
 146394,146444,51,END:EXACT
 146618,146797,180,EXACT,AG-GT

146961,147107,147,START:Ends:147746-147761-147743-
ID=NCLIV_009680 + 18 A..ATG
150642,150702,61,END:Starts:149648-149630-
151063,151220,158,EXACT,AG-GT
151503,151604,102,EXACT,AG-GT
152220,152281,62,EXACT,AG-GT
152480,152587,108,EXACT,AG-GT
152913,153123,211,EXACT,AG-GT
153582,153656,75,EXACT,AG-GT
153983,154117,135,START: end -17 AG-GC (ref:AG-GT)<< Possible error
154600,154680,81,END: start -11 AG-GT
155373,155985,613,EXACT,AG-GT
156262,156464,203,EXACT,AG-GT
156684,156798,115,EXACT,AG-GT
157094,157257,164,EXACT,AG-GT
157763,158766,1004,EXACT,AG-GT
159178,159413,236,EXACT,AG-GT
159920,160164,245,EXACT,AG-GT
160596,162604,2009,EXACT,AG-GT
163036,163138,103,START:Ends:164332-164430-164634-
ID=NCLIV_009690 + 20 CCAATGG
165597,166323,727,END:Starts:164668-164819-
166829,166936,108,END: start -2 GT
167370,167536,167,EXACT,AG-GT
167846,167911,66,START: end -1 AG
168199,169807,1609,END: start 19 GT (ref:AG-GT)<< Possible error
170163,170621,459,EXACT,TAG|TGA|TAA:AG-GT
171038,171835,798,END: start -54 TAG|TGA|TAA:AG-GT (ref:AG-GT)<< Possible error
172047,172160,114,EXACT,AG-GT
173014,173357,344,EXACT,AG-GT
173552,173733,182,EXACT,AG
174261,174587,327,EXACT,AG-GT
174942,175171,230,START: end -4 AG-GC (ref:AG-GT)<< Possible error
175281,175439,159,EXACT,AG-GT
176068,176111,44,OVER: start -32 and end 25 AG-GT
176306,176339,34
176449,176547,99,EXACT,AG-GT
176665,176758,94,EXACT,AG-GT
176854,176929,76,EXACT,AG-GT
177310,177423,114,EXACT,AG-GT
177663,177827,165,START:Ends:178583-178587-178534-
ID=NCLIV_009700 + 11 A..ATG
180626,180671,46,END:Starts:180204-180177-180288-
181174,181392,219,EXACT,AG-GT
182026,182396,371,EXACT,AG-GT
182713,182935,223,EXACT,TAG|TGA|TAA:AG-GT
183330,183508,179,EXACT,AG-GT
183804,183952,149,EXACT,AG-GT
184268,184334,67,EXACT,AG-GT
184524,184827,304,START: end 414 AG-GT
185159,185241,83,END: start -635 AG-GT
185695,185767,73,EXACT,AG-GT
186358,186407,50,START:EXACT
ID=NCLIV_009720 + 12 A..ATG
191500,193996,2497,END:Starts:190703-190676-193186-
194549,195235,687,START: end -63 AG
195541,195976,436,END: start 52 GT
196113,196322,210,END: start 59 AG-GT
197100,197831,732,EXACT,ATG:AG-GT
198063,198549,487,END: start 84 AG-GT

198993,199140,148,END: start 3 GT
199537,199618,82,EXACT,AG-GT
199913,200459,547,EXACT,AG-GT
200723,201768,1046,EXACT,AG-GT
202173,202299,127,EXACT,AG-GT
203011,203127,117,START:EXACT
ID=NCLIV_009740 + 1 A..ATG
207370,208800,1431
ID=NCLIV_009750 + 1 A..ATG
212548,214677,2130,WITHIN:Starts:213436-212857-
ID=NCLIV_009760 + 2 [CT]..ATG[ACT]
215325,216717,1393,END:Starts:215915-215530-214902-
217332,217411,80,START:Ends:217955-219228-218609-
ID=NCLIV_009770 + 8 A..ATG
223173,226000,2828
226665,226928,264
227356,227494,139
227937,228169,233
229125,229314,190
229852,229999,148,END: start -13 GT
230314,230516,203,EXACT,AG-GT
231238,231660,423,START:EXACT
ID=NCLIV_009790 + 3 A..ATG
242239,242533,295
242844,243100,257,EXACT,AG-GT
243342,243608,267,START:Ends:244293-244264-244729-
ID=NCLIV_009800 + 1 A..ATG
246487,246876,390,OVER:Starts:245547-245206-
ID=NCLIV_009830 + 11 A..ATG
270293,270541,249
271184,271805,622
272157,272262,106
272676,273154,479
274033,274159,127
274398,274824,427
275359,276078,720
276466,277044,579
277405,277966,562
278306,279115,810
279687,281374,1688
ID=NCLIV_009840 + 14 A..ATG
284932,286522,1591,END:Starts:283947-283818-
286800,286927,128,START: end 33 AG-GC (ref:AG-GT)<< Possible error
287405,287580,176,START: end -7 AG
287915,288083,169,END: start -55 GT (ref:AG-GT)<< Possible error
288362,288523,162,EXACT,AG-GT
288685,288804,120,EXACT,AG-GT
289051,289117,67,EXACT,AG-GT
289319,289389,71,EXACT,AG-GT
289601,289729,129,START: end -13 AG
290226,290384,159,END: start -4 GT (ref:AG-GT)<< Possible error
290940,291006,67,EXACT,AG-GT
291197,291363,167,EXACT,AG-GT
291641,291778,138,EXACT,AG-GT
292269,292379,111,START:Ends:292789-292788-292786-
ID=NCLIV_009860 + 3 A..ATG
309766,310947,1182
311151,311313,163
311563,311795,233
ID=NCLIV_009880 + 5 A..ATG

316579,316826,248
317258,317493,236
318098,318799,702
319211,319644,434,END: start 386 GT
320087,320875,789,START:Ends:322986-322994-
ID=NCLIV_010020 + 5 A..ATG
382942,383389,448,END:Starts:382327-382221-382347-
384162,384466,305,EXACT,AG-GT
384993,385123,131,EXACT,AG-GT
385364,385542,179,EXACT,AG-GT
386004,386089,86,START:Ends:387248-386627-386372-
ID=NCLIV_010030 + 1 GTTATGA
392666,393907,1242
ID=NCLIV_010040 + 1 [CT]..ATG[ACT]
395968,397242,1275
ID=NCLIV_010090 + 3 A..ATG
416528,417511,984,OVER:Starts:414972-416518-419623-
417902,421445,3544,END: start -1384 GT (ref:AG-GT)<< Possible error
422099,422694,596,START:Ends:423081-423285-423852-
ID=NCLIV_010130 + 3 G..ATGG
441099,441323,225,END:Starts:438076-438080-440578-
441810,442030,221,EXACT,AG-GT
442232,442325,94,START:Ends:442752-442762-442583-
ID=NCLIV_010150 + 6 A..ATG
456398,457147,750,END:EXACT
457613,458032,420,EXACT,AG-GT
458420,459475,1056,EXACT,AG-GT
459829,460081,253,EXACT,AG-GT
460625,461355,731,EXACT,AG-GT
461805,462317,513,START:Ends:465143-465244-465290-
ID=NCLIV_010160 + 3 A..ATG
469540,470528,989
471017,471282,266
471702,472243,542
ID=NCLIV_010170 + 6 TCGATGG
482630,483590,961
483996,484669,674
485105,485189,85
485537,485616,80
486240,489542,3303,EXACT,GT
490018,490266,249,START:Starts:490018-
ID=NCLIV_010190 + 3 CAGATGG
500860,501786,927,END:Starts:500767-499637-499690-
503179,503354,176,END: start -347 AG-GT (ref:AG-GT)<< Possible error
503919,504345,427,START:Ends:503946-504788-506127-
ID=NCLIV_010200 + 4 A..ATG
506645,506717,73,END:Starts:506463-506523-506541-
507953,508342,390,EXACT,AG-GT
508946,509379,434,EXACT,AG-GT
509651,509689,39,START:EXACT
ID=NCLIV_010220 + 1 A..ATG
525518,527905,2388
ID=NCLIV_010250 + 4 A..ATG
551480,551619,140,END:Starts:550137-550091-
552036,552087,52,EXACT,AG
552535,552629,95,EXACT,AG-GT
552970,553045,76,START:Ends:553883-553615-554193-
ID=NCLIV_010280 + 8 [CT]..ATG[ACT]
574640,575092,453
575506,576153,648

576857,577121,265
 577799,577965,167
 578362,578606,245
 579854,580035,182
 580285,580464,180
 580815,581047,233
 ID=NCLIV_010300 + 6 [CT]..ATG[ACT]
 592788,592882,95,OVER:Starts:593117-592481-
 593104,593169,66,OVER: start -623 and end 507 GT
 593598,593676,79,END: start -1117 GT
 594483,594822,340,EXACT,AG-GT
 595415,595827,413,START: end -87 AG-GT
 596350,596502,153,START:Ends:597016-598073-
 ID=NCLIV_010360 + 16 [CT]..ATG[ACT]
 646923,646969,47
 647759,647946,188,EXACT,AG-GT
 648853,648946,94,END: start -621 AG-GT (ref:AG-GT)<< Possible error
 649394,649643,250,EXACT,AG-GT
 649965,650321,357,EXACT,AG-GT
 650569,651043,475,EXACT,AG-GT
 651686,651907,222,EXACT,AG-GT
 652427,652867,441,EXACT,Info:AG-GT-AG-GC-donor=CG-
 653411,653658,248,END: start 14 GT (ref:AG-GT)<< Possible error
 654120,654700,581,EXACT,AG-GT
 655044,655251,208,EXACT,AG-GT
 655532,655716,185,EXACT,AG-GT
 655904,656081,178,EXACT,AG-GT
 656416,656724,309,START: end 1042 AG-GT
 657101,657766,666,END: start -685 AG-GT
 658205,658453,249,START:Ends:661024-660033-664211-
 ID=NCLIV_010390 + 2 G..ATGG
 690514,691570,1057,END:Starts:689639-689753-690859-
 692194,692519,326,START:Ends:693515-693566-692932-
 ID=NCLIV_010400 + 4 [CT]..ATG[ACT]
 696227,697807,1581,END:Starts:695353-695013-
 698396,698524,129,EXACT,GT
 698994,699179,186,EXACT,AG-GT
 699764,699874,111,START:Ends:700649-700621-700651-
 ID=NCLIV_010430 + 8 A..ATG
 715096,715510,415,END:Starts:712958-713329-
 716155,716234,80,EXACT,AG-GT
 716580,717274,695,EXACT,AG-GT
 717496,717836,341,EXACT,AG-GT
 718073,718419,347,EXACT,AG-GT
 718955,719803,849,EXACT,AG-GT
 720321,720941,621,EXACT,AG-GT
 721598,722338,741,START:Ends:722926-723004-722929-
 ID=NCLIV_010440 + 8 A..ATG
 724654,724742,89
 725603,725675,73
 725954,726050,97
 726662,726796,135
 727039,727184,146
 727813,727872,60
 728286,728354,69
 729273,729371,99
 ID=NCLIV_010460 + 6 A..ATG
 733248,733878,631
 733936,733995,60
 734068,734136,69

734374,734426,53
734487,734565,79
734632,734705,74
ID=NCLIV_010490 + 4 [CT]..ATG[ACT]
744003,744607,605
744999,745248,250
745626,745715,90
746090,746365,276
ID=NCLIV_010500 + 1 [CT]..ATG[ACT]
749257,751383,2127
ID=NCLIV_010520 + 7 A..ATG
759913,760158,246,END:Starts:757431-759145-759264-
760676,760958,283,EXACT,AG-GT
761259,761527,269,EXACT,AG-GT
761655,761880,226,EXACT,AG-GT
762059,762176,118,EXACT,AG-GT
762584,763607,1024,EXACT,AG-GT
764293,764859,567,START:Ends:766187-766303-766070-
ID=NCLIV_010540 + 12 A..ATG
771625,771891,267,END:EXACT
772419,772620,202,EXACT,AG-GT
773014,773181,168,EXACT,AG-GT
773628,773764,137,EXACT,AG-GT
774295,774459,165,EXACT,AG-GT
774978,775146,169,START: end 1138 AG-GT
775418,776284,867,END: start -15 GT
776500,776652,153,START: end 102 AG-GT (ref:AG-GT)<< Possible error
777186,777326,141,EXACT,AG-GT
777864,777933,70,EXACT,AG-GT
778383,778431,49,EXACT,AG-GT
778663,779172,510,START:Ends:780212-780252-780183-
ID=NCLIV_010550 + 18 A..ATG
783853,785882,2030,WITHIN:Starts:784614-784853-
786385,787467,1083,END: start 1 GT (ref:AG-GT)<< Possible error
787963,788607,645,EXACT,AG-GT
789283,789412,130,EXACT,AG-GT
789660,790268,609,EXACT,GT
790774,791001,228,EXACT,AG-GT
791424,791690,267,EXACT,AG-GT
792315,792419,105,EXACT,AG-GT
792670,792830,161,EXACT,AG-GT
793628,793765,138,EXACT,AG-GT
794306,794690,385,START: end -4 AG
795348,795507,160,END: start 3 GT
795823,796271,449
796641,796984,344,EXACT,AG-GT
797918,798044,127,EXACT,AG-GT
798851,799384,534,EXACT,AG-GT
799820,800512,693,EXACT,AG-GT
801081,801881,801,START:Ends:802861-803026-803024-
ID=NCLIV_010570 + 17 A..ATG
810934,811169,236,END:Starts:810456-810379-
811695,814048,2354,EXACT,AG
814453,814718,266,START: end 536 AG-GT
815074,815254,181,END: start -621 AG-GT
815655,815833,179,EXACT,ATG:AG-GT
816407,816827,421,EXACT,AG-GT
817361,817695,335,EXACT,AG-GT
818396,818641,246,EXACT,AG-GT
819133,820274,1142,EXACT,AG-GT

820886,821312,427,EXACT,AG-GT
 821590,823340,1751,START: end 1165 AG
 824501,824668,168
 826220,826950,731
 827164,828232,1069
 828672,828874,203
 829284,829609,326
 830120,830350,231
 ID=NCLIV_010580 + 7 [CT]..ATG[ACT]
 831943,832329,387
 832818,832955,138,EXACT,GT
 833360,833640,281,EXACT,AG-GT
 834184,834343,160,EXACT,AG-GT
 834552,834782,231,EXACT,AG-GT
 835101,835496,396,EXACT,AG-GT
 835757,837445,1689,START:Ends:837606-837530-
 ID=NCLIV_010590 + 10 [CT]..ATG[ACT]
 841122,841232,111,END:EXACT
 842108,842605,498,EXACT,AG-GT
 842985,843082,98,EXACT,AG-GT
 843386,843485,100,EXACT,AG-GT
 843687,844000,314,EXACT,AG-GT
 844456,844609,154,EXACT,AG-GT
 845076,845219,144,EXACT,AG-GT
 845606,845711,106,EXACT,AG-GT
 846114,846200,87,EXACT,AG-GT
 846986,847080,95,START:Ends:847529-848765-
 ID=NCLIV_010600 + 1 A..ATG
 849239,850327,1089
 ID=NCLIV_010610 + 6 G..ATGG
 853818,853928,111,END:Starts:852381-852845-
 854371,854593,223,EXACT,AG-GT
 854796,854939,144,START: end -11 AG
 855290,855565,276,END: start -3 GT
 856161,856259,99,EXACT,AG-GT
 856523,856572,50,START:Ends:857558-859631-
 ID=NCLIV_010630 + 6 A..ATG
 867006,867134,129,END:Starts:865957-865929-865973-
 867392,867474,83,EXACT,TAGITGAIITAA:AG-GT
 867971,868144,174,EXACT,AG-GT
 870231,870342,112,EXACT,AG-GT
 870625,870738,114,EXACT,AG-GT
 871434,872168,735,OVER:Ends:873840-873833-873956-
 ID=NCLIV_010660 + 11 G..ATGG
 888911,889712,802
 891198,891599,402,END: start -263 GT (ref:AG-GT)<< Possible error
 892140,892305,166,EXACT,AG-GT
 892764,892875,112,EXACT,AG-GT
 893241,893384,144,EXACT,AG-GT
 893689,894012,324,EXACT,AG-GT
 894589,894745,157,EXACT,ATG:AG-GT
 895398,895539,142,EXACT,AG
 895739,895883,145
 896093,896279,187,EXACT,AG-GT
 896724,897472,749,OVER:Ends:897671-897507-897472-
 ID=NCLIV_010680 + 6 A..ATG
 910928,912803,1876
 913527,913783,257
 914286,914367,82
 914613,914847,235

915425,918326,2902
 918738,922148,3411
 ID=NCLIV_010710 + 2 A..ATG
 941292,941898,607
 942417,943024,608
 ID=NCLIV_010720 + 2 A..ATG
 945730,946357,628,END:Starts:945536-945567-945562-
 946892,947484,593,START:EXACT
 ID=NCLIV_010730 + 2 A..ATG
 949695,950319,625
 950840,951378,539
 ID=NCLIV_010740 + 2 A..ATG
 955080,955387,308,END:Starts:952907-953328-953916-
 955886,956774,889,START:Ends:955968-958523-955948-
 ID=NCLIV_010741 + 3 GCGATGC
 959614,960273,660
 961139,961387,249
 961447,961488,42
 ID=NCLIV_010760 + 27 A..ATG
 977177,978350,1174
 979185,979330,146
 979460,979762,303
 980338,981433,1096
 982999,983199,201
 983580,983619,40
 984150,984282,133
 984531,986083,1553,END: start 264 GT
 986214,986305,92,START: end -14 AG
 986770,986855,86
 987072,987282,211
 987432,987806,375
 988219,988914,696
 989528,989658,131
 990073,990334,262
 990653,991165,513
 991560,991681,122
 992397,992511,115
 992871,993165,295
 993581,994164,584
 994541,994679,139
 995004,995118,115
 995400,995789,390
 996107,996190,84
 996996,997177,182
 997448,998805,1358
 999399,999529,131
 ID=NCLIV_010780 + 4 A..ATG
 1017367,1021228,3862
 1021895,1022049,155,END: start 82 GT
 1022683,1023123,441,EXACT,AG
 1023921,1024046,126,START:Starts:1023922-1023921-
 ID=NCLIV_010810 + 2 A..ATG
 1046794,1047198,405
 1047548,1048015,468
 ID=NCLIV_010850 + 15 A..ATG
 1065693,1065780,88,END:EXACT
 1066226,1066335,110,EXACT,AG-GT
 1067039,1067177,139,EXACT,AG-GT
 1067449,1067763,315,EXACT,AG-GT
 1068148,1068256,109,EXACT,AG-GT

1068909,1069099,191,END: start 96 AG-GT (ref:AG-GT)<< Possible error
 1069559,1069665,107,EXACT,AG-GT
 1070162,1070284,123,EXACT,AG-GT
 1070608,1070853,246,EXACT,AG-GT
 1071216,1071397,182,EXACT,AG-GT
 1071783,1072158,376,END: start 51 AG-GT (ref:AG-GT)<< Possible error
 1072657,1072832,176,EXACT,AG-GT
 1073514,1073673,160,EXACT,AG-GT
 1073971,1074015,45,EXACT,AG-GT
 1074377,1074583,207,START:Ends:1074377-1075010-1074913-
 ID=NCLIV_010860 + 5 A..ATG
 1077019,1077028,10,END:EXACT
 1077492,1077674,183,EXACT,TAG|TGA|TAA:AG-GT
 1078194,1078480,287,EXACT,AG-GT
 1078794,1078899,106,EXACT,AG-GT
 1079485,1079648,164,START:Ends:1080784-1081543-1080786-
 ID=NCLIV_010870 + 2 G..ATGG
 1083326,1085899,2574
 1086149,1086874,726
 ID=NCLIV_010900 + 4 [CT]..ATG[ACT]
 1107194,1107520,327
 1108372,1109138,767
 1109196,1109687,492
 1110448,1110475,28
 ID=NCLIV_010920 + 15 A..ATG
 1116550,1117341,792,END:Starts:1114486-1114536-
 1117702,1118445,744,EXACT,AG-GT
 1119039,1119263,225,EXACT,AG-GT
 1119487,1119916,430,EXACT,AG-GT
 1120342,1120492,151,EXACT,AG-GT
 1120797,1120917,121,EXACT,AG-GT
 1121372,1121482,111,EXACT,AG
 1122030,1122155,126,EXACT,GT
 1122594,1122707,114,EXACT,AG-GT
 1123038,1123271,234,EXACT,AG-GT
 1123549,1123623,75,EXACT,AG-GT
 1123829,1123987,159,EXACT,AG-GT
 1124403,1124554,152,EXACT,AG-GT
 1124920,1125079,160,EXACT,AG-GT
 1125257,1125397,141,START:Ends:1125656-1125678-1125686-
 ID=NCLIV_010930 + 1 CCCATGG
 1128341,1132507,4167
 ID=NCLIV_010940 + 2 [CT]..ATG[ACT]
 1137934,1138656,723,END:EXACT
 1139098,1139199,102,START:Ends:1139186-1141057-
 ID=NCLIV_010990 + 4 A..ATG
 1167855,1167906,52
 1168508,1168780,273
 1169411,1169537,127
 1170303,1170423,121
 ID=NCLIV_011010 + 15 A..ATG
 1176996,1177038,43,END:Starts:1175805-1176552-
 1177439,1177567,129,EXACT,AG-GT
 1178212,1178354,143,START: end 708 AG-GC (ref:AG-GT)<< Possible error
 1179641,1179921,281,START: end 1246 AG
 1180560,1180605,46,OVER: start -919 and end 562 AG
 1181174,1181368,195
 1181819,1182019,201
 1182532,1182626,95
 1183013,1183069,57

1183685,1184021,337,END: start -26 GT
 1184288,1184431,144,EXACT,AG-GT
 1184871,1184921,51,EXACT,AG-GT
 1185172,1185309,138,EXACT,AG-GT
 1185904,1185995,92,START: end -3 AG
 1186507,1186591,85
 ID=NCLIV_011070 + 10 A..ATG
 1232057,1233064,1008
 1233464,1233811,348,EXACT,GT
 1233920,1234044,125,EXACT,AG-GT
 1234351,1236309,1959,START: end -147 AG-GC (ref:AG-GT)<< Possible error
 1236698,1236828,131,EXACT,AG-GT
 1237213,1237382,170,EXACT,AG-GT
 1238178,1238429,252,EXACT,Info:TAG|TGA|TAA:AG-GT-donor=GA-AG-GT-
 1238969,1240000,1032,EXACT,AG-GT
 1240329,1240787,459,START: end 1006 AG
 1241457,1241573,117,OVER:Ends:1241793-1243199-1241219-
 ID=NCLIV_011080 + 1 A..ATG
 1247589,1255010,7422
 ID=NCLIV_011100 + 1 CCCATGG
 1266097,1266714,618
 ID=NCLIV_011130 + 3 A..ATG
 1294653,1294799,147,END:Starts:1294284-1294057-1294259-
 1295060,1295287,228,EXACT,AG-GT
 1295508,1295639,132,START:Ends:1296072-1295938-1295926-
 ID=NCLIV_011140 + 10 A..ATG
 1299001,1299142,142,END:EXACT
 1299561,1299735,175,EXACT,AG-GT
 1300080,1300164,85,EXACT,AG-GT
 1300278,1300508,231,EXACT,AG-GT
 1301101,1301316,216,EXACT,AG-GT
 1301506,1301613,108,EXACT,AG-GT
 1301943,1302155,213,EXACT,AG-GT
 1302259,1302369,111,EXACT,AG-GT
 1302848,1303055,208,EXACT,AG-GT
 1303442,1303563,122,START:Ends:1303950-1306258-1306039-
 ID=NCLIV_011160 + 2 A..ATG
 1321411,1323780,2370,END:Starts:1320119-1319926-1320289-
 1324188,1326350,2163,START:Ends:1328309-1329929-1328320-
 ID=NCLIV_011180 + 1 A..ATG
 1350762,1351460,699
 ID=NCLIV_011200 + 3 TACATGG
 1363175,1363580,406,END:EXACT
 1363974,1364132,159,EXACT,AG
 1364651,1364961,311
 ID=NCLIV_011230 + 1 G..ATGG
 1384539,1385462,924
 ID=NCLIV_011240 + 4 GAAATGC
 1386018,1386322,305
 1386874,1386952,79
 1387400,1387529,130
 1387873,1388129,257
 ID=NCLIV_011270 + 4 A..ATG
 1412526,1412567,42,END:Starts:1412225-1412204-1412422-
 1413602,1414029,428,EXACT,AG-GT
 1414295,1414805,511,EXACT,AG-GT
 1415061,1415336,276,START:EXACT
 ID=NCLIV_011320 + 1 A..ATG
 1459780,1460499,720,OVER:Starts:1458915-1458825-
 ID=NCLIV_011330 + 1 A..ATG

1463502,1465280,1779
ID=NCLIV_011340 + 11 A..ATG
1468328,1468426,99,END:Starts:1467552-1467477-
1468922,1469201,280,EXACT,AG-GT
1469629,1470580,952,EXACT,AG-GT
1471089,1471355,267,START: end 49 AG
1471852,1471970,119,EXACT,AG-GT
1472300,1472543,244,EXACT,AG-GT
1473172,1473337,166,EXACT,AG-GT
1473919,1474087,169,END: start 99 AG-GT (ref:AG-GT)<< Possible error
1474542,1474663,122,EXACT,AG-GT
1475039,1475135,97,EXACT,AG-GT
1475839,1475954,116,START:Ends:1476471-1476519-1476487-
ID=NCLIV_011360 + 10 A..ATG
1486756,1488375,1620,END:Starts:1488214-1488185-
1488671,1490652,1982,EXACT,AG-GT
1490819,1491718,900,EXACT,AG-GT
1491840,1492316,477,EXACT,AG-GT
1492822,1492959,138,START: end 106 AG-GT
1493242,1493399,158,END: start -116 GT (ref:AG-GT)<< Possible error
1493994,1494072,79,EXACT,AG-GT
1494350,1494476,127,EXACT,AG-GT
1494920,1494987,68,EXACT,AG-GT
1495280,1495355,76,START:Ends:1496282-1496206-1495859-
ID=NCLIV_011380 + 1 A..ATG
1511648,1512154,507
ID=NCLIV_011410 + 3 A..ATG
1549859,1550022,164,END:Starts:1549466-1549513-1549669-
1550373,1550571,199,EXACT,AG-GT
1550671,1551723,1053,START:Ends:1551814-1551850-1551883-
ID=NCLIV_011430 + 1 [CT]..ATG[ACT]
1558657,1560075,1419
ID=NCLIV_011450 + 3 A..ATG
1581316,1581426,111,END:Starts:1579979-1580707-1580516-
1582262,1582382,121,EXACT,AG-GT
1583146,1583486,341,OVER:EXACT
ID=NCLIV_011470 + 2 A..ATG
1592906,1599236,6331,END:EXACT
1599710,1600221,512,START:Ends:1602128-1603748-1603234-
ID=NCLIV_011490 + 1 A..ATG
1613823,1615214,1392
ID=NCLIV_011500 + 1 CCGATGG
1619047,1621869,2823
ID=NCLIV_011520 + 1 G..ATGG
1633936,1634070,135
ID=NCLIV_011530 + 9 [CT]..ATG[ACT]
1635581,1635874,294,END:Starts:1635647-1635658-
1636985,1637236,252,START: end -10 Info:AG-GT-AG-GC-
1637831,1637938,108,END: start 35 GT
1638577,1638655,79,EXACT,ATG:AG-GT
1639251,1639969,719,START: end -254 AG
1640496,1640638,143
1641121,1641245,125
1641610,1642208,599
1642698,1643357,660
ID=NCLIV_011540 + 5 A..ATG
1646473,1646824,352
1647376,1648042,667,OVER: start -490 and end 810 GT
1648602,1648852,251,END: start -1716 GT
1649175,1649541,367,START: end 727 AG

1650114,1650480,367
 ID=NCLIV_011560 + 14 A..ATG
 1658315,1658376,62,END:Starts:1657357-1658187-
 1659079,1659322,244,EXACT,AG-GT
 1659766,1659998,233,START: end -53 AG
 1660693,1660776,84
 1661796,1662207,412
 1662610,1663040,431
 1663590,1663695,106
 1664227,1664545,319
 1665093,1665171,79
 1665843,1666015,173
 1666329,1666488,160
 1666880,1666954,75
 1667797,1667920,124
 1668251,1668361,111
 ID=NCLIV_011590 + 11 CTCATGG
 1681528,1681646,119,END:Starts:1680788-1680810-
 1682003,1682079,77,EXACT,AG-GT
 1682364,1682455,92,START: end -27 AG-GT
 1683121,1683348,228,END: start 1 GT
 1683619,1683718,100,END: start 64 AG
 1684127,1684151,25
 1684643,1684793,151,START: end -2 AG
 1685448,1685493,46
 1685882,1686080,199
 1686458,1686522,65
 1686797,1686936,140
 ID=NCLIV_011600 + 3 GATATGA
 1700230,1700404,175
 1700905,1701048,144
 1701768,1702054,287
 ID=NCLIV_011610 + 12 A..ATG
 1704107,1704173,67
 1704680,1704799,120
 1704988,1705161,174
 1705607,1705725,119
 1706228,1706722,495
 1707079,1707237,159
 1707477,1707568,92
 1707787,1707895,109
 1708356,1708493,138
 1709032,1709122,91
 1709327,1709369,43
 1709710,1710007,298
 ID=NCLIV_011620 + 1 [CT]..ATG[ACT]
 1716371,1718740,2370
 ID=NCLIV_011630 + 11 A..ATG
 1722009,1722310,302,END:Starts:1719991-1720053-
 1722677,1722858,182,EXACT,AG-GT
 1723307,1723478,172,START: end -11 AG
 1724154,1724308,155,EXACT,AG-GT
 1725024,1725119,96,START: end -14 AG
 1725451,1726492,1042,END: start -24 GT
 1726911,1727178,268,START: end 328 AG
 1727671,1727745,75
 1728120,1728755,636,START: end 2203 AG-GT (ref:AG-GT)<< Possible error
 1729335,1730958,1624,END: start -1215 AG-GT (ref:AG-GT)<< Possible error
 1731460,1731551,92,START:Ends:1732146-1732173-1732184-
 ID=NCLIV_011650 + 7 GGGATGC

1745118,1745138,21,OVER:Starts:1744044-1744283-
 1745759,1746098,340,END: start -1476 GT
 1746666,1746884,219,EXACT,AG-GT
 1747419,1747620,202,EXACT,AG-GT
 1747807,1747918,112,EXACT,AG-GT
 1748351,1748490,140,EXACT,AG-GT
 1748820,1748931,112,START:Ends:1751361-1750383-1752987-
 ID=NCLIV_011670 + 11 [CT]..ATG[ACT]
 1755881,1755951,71
 1756272,1756368,97,START: end 1158 AG
 1756524,1756738,215,OVER: start -252 and end 788 AG
 1757183,1757502,320,OVER: start -911 and end 24 AG
 1757757,1757915,159
 1758375,1758702,328,END: start 24 GT
 1759198,1761147,1950,START: end 5009 AG
 1761519,1761682,164,OVER: start -2321 and end 4474 AG
 1761980,1764524,2545,OVER: start -2782 and end 1632 AG
 1764583,1764698,116,OVER: start -5385 and end 1458 AG
 1765898,1766043,146,OVER:Ends:1760595-1766156-
 ID=NCLIV_011680 + 2 G..ATGG
 1767289,1768066,778,END:Starts:1766879-1766208-
 1768438,1768709,272,START:Ends:1769670-1771323-
 ID=NCLIV_011710 + 1 [CT]..ATG[ACT]
 1778843,1781605,2763
 ID=NCLIV_011740 + 5 GCAATGT
 1813969,1814026,58,END:Starts:1813662-1813637-1813677-
 1814583,1814845,263,EXACT,AG-GT
 1815535,1815823,289,EXACT,AG-GT
 1816213,1816313,101,EXACT,ATG:AG-GT
 1816671,1816817,147,START:Ends:1818761-1818800-1818799-
 ID=NCLIV_011750 + 5 GCAATGA
 1821474,1821630,157,END:Starts:1821463-1821394-
 1822096,1822238,143,END: start -20 GT
 1822589,1822663,75,EXACT,AG-GT
 1822954,1823005,52,EXACT,AG-GT
 1823736,1823785,50,START:Ends:1824121-1824175-
 ID=NCLIV_011800 + 1 A..ATG
 1864797,1865120,324
 ID=NCLIV_011810 + 7 A..ATG
 1868084,1868537,454
 1869762,1870036,275
 1870710,1870914,205
 1871206,1871829,624
 1872283,1872575,293
 1872939,1873175,237
 1873595,1873867,273,OVER:Starts:1873426-1875243-1873502-
 ID=NCLIV_011820 + 4 G..ATGG
 1875465,1875470,6,END:Starts:1873426-1875243-1873502-
 1876428,1876498,71,EXACT,AG-GT
 1876788,1876907,120,START: end -2 AG
 1877118,1877220,103
 ID=NCLIV_011850 + 2 A..ATG
 1890451,1891179,729
 1891240,1896075,4836
 ID=NCLIV_011880 + 8 [CT]..ATG[ACT]
 1918478,1918678,201
 1919125,1919231,107,END: start 17 GT
 1919673,1919796,124,EXACT,AG-GT
 1920424,1920558,135,EXACT,AG-GT
 1920939,1921106,168,EXACT,AG-GT

1921573,1921773,201,EXACT,AG-GT
 1922075,1922133,59,EXACT,AG-GT
 1922768,1922816,49,START:Ends:1923039-1923031-
 ID=NCLIV_011910 + 3 G..ATGG
 1938909,1939642,734,END:Starts:1937538-1938195-
 1940150,1940594,445,EXACT,AG-GT
 1941047,1942795,1749,START:Ends:1951661-1949617-
 ID=NCLIV_011930 + 12 GGCATGA
 1959163,1959673,511
 1961196,1962353,1158,END: start -32 GT (ref:AG-GT)<< Possible error
 1963277,1963425,149,EXACT,AG-GT
 1963683,1963768,86,START: end 138 AG
 1964358,1964664,307,END: start -212 GT (ref:AG-GT)<< Possible error
 1964975,1965087,113,EXACT,AG-GT
 1965406,1966466,1061,EXACT,AG-GT
 1966821,1967001,181,EXACT,AG-GT
 1967454,1967530,77,EXACT,AG-GT
 1968057,1968255,199,EXACT,AG-GT
 1968752,1968830,79,EXACT,AG-GT
 1969356,1969466,111,START:Ends:1969717-1978639-1978722-
 ID=NCLIV_011950 + 5 A..ATG
 1986637,1986782,146,END:Starts:1985634-1985753-
 1987596,1987811,216,EXACT,AG
 1988331,1988790,460
 1989305,1990408,1104,EXACT,GT
 1990720,1991952,1233,START:Ends:1992527-1992557-1992546-
 ID=NCLIV_011960 + 7 A..ATG
 1995248,1995356,109,END:Starts:1993443-1993406-1993444-
 1995774,1995898,125,EXACT,AG-GT
 1996206,1996282,77,EXACT,AG-GT
 1996804,1996920,117,EXACT,AG-GT
 1997070,1997127,58,EXACT,AG-GT
 1997526,1997648,123,EXACT,AG-GT
 1998202,1998384,183,START:Ends:1998736-1998361-
 ID=NCLIV_011970 + 4 A..ATG
 2001452,2001940,489
 2002516,2002690,175
 2003288,2003551,264,END: start -64 GT
 2003845,2003978,134,START:Ends:2004589-2004375-
 ID=NCLIV_011980 + 8 A..ATG
 2008471,2008616,146,END:Starts:2007214-2007097-2007259-
 2009531,2010022,492,EXACT,AG-GT
 2010800,2010894,95,EXACT,AG-GT
 2011299,2011355,57,EXACT,AG-GT
 2011988,2012186,199,EXACT,AG-GT
 2012582,2012865,284,EXACT,AG-GT
 2013510,2013628,119,EXACT,AG-GT
 2014026,2014154,129,START:Ends:2015702-2015707-2015691-
 ID=NCLIV_011990 + 8 [CT]..ATG[ACT]
 2018645,2022298,3654,END:Starts:2018667-2021283-
 2022654,2022885,232,EXACT,AG-GT
 2023076,2023162,87,EXACT,AG-GT
 2023860,2023985,126,EXACT,AG-GT
 2024171,2024256,86,EXACT,AG-GT
 2024659,2024760,102
 2025258,2025377,120
 2025958,2026107,150
 ID=NCLIV_012010 + 1 GAGATGT
 2045061,2047382,2322
 ID=NCLIV_012020 + 1 GAGATGC

2058210,2061092,2883
 ID=NCLIV_012050 + 14 A..ATG
 2085130,2085132,3
 2085776,2091059,5284,END: start 2482 GT (ref:AG-GT)<< Possible error
 2091346,2096899,5554,START: end -5131 AG
 2098229,2098284,56
 2098978,2099368,391,END: start -405 GT (ref:AG-GT)<< Possible error
 2099844,2099967,124,EXACT,AG-GT
 2100360,2100521,162,END: start 4 GT (ref:AG-GT)<< Possible error
 2100688,2100811,124,EXACT,AG-GT
 2101287,2101531,245,EXACT,AG-GT
 2102339,2102446,108,EXACT,AG-GT
 2103168,2103241,74,START: end -17 AG
 2103353,2103442,90
 2103539,2103617,79,EXACT,GT
 2104162,2104320,159,START:EXACT
 ID=NCLIV_012070 + 3 GCGATGA
 2107875,2108487,613,END:Starts:2107254-2107260-2107324-
 2108895,2109283,389,END: start -147 AG-GT (ref:AG-GT)<< Possible error
 2110297,2110323,27,OVER:Ends:2111783-2111757-2112584-
 ID=NCLIV_012100 + 16 G..ATGG
 2136197,2139311,3115
 2139719,2140335,617,END: start 13 GT
 2140784,2142574,1791,START: end -616 AG
 2143094,2143781,688
 2143851,2144220,370,END: start 247 GT
 2144551,2147528,2978,START: end -1035 AG
 2148030,2148124,95
 2148407,2149003,597,END: start 237 GT
 2149646,2163761,14116,START: end -10870 AG
 2164149,2164916,768,END: start -5531 AG-GT (ref:AG-GT)<< Possible error
 2165573,2165629,57,EXACT,AG-GT
 2166039,2166293,255,END: start 120 AG-GT (ref:AG-GT)<< Possible error
 2166955,2167100,146,START: end -5 Info:donor=TA-AG-GC-AG-GT-
 2167663,2167805,143,END: start -360 AG-GT
 2168492,2168699,208,START: end 2772 AG
 2169151,2169177,27,OVER:Ends:2169411-2171471-
 ID=NCLIV_012110 + 1 CTGATGG
 2174034,2175254,1221
 ID=NCLIV_012120 + 1 A..ATG
 2178237,2179022,786,OVER:Ends:2179194-2179056-

CHROMOSOME IV – REVERSE

ID=NCLIV_009520 - 9 A..ATG
 34822,35328,507,END:Starts:33916-33949-34054-
 35904,35964,61,EXACT,AG-GT
 36100,36158,59,START: end -1 GT
 36471,36539,69
 37421,37474,54
 38034,38099,66
 38621,38650,30
 38987,39087,101
 39576,39690,115
 ID=NCLIV_009580 - 1 A..ATG
 73223,74419,1197
 ID=NCLIV_009590 - 3 GCGATGT
 76247,76717,471,END:Starts:72597-75377-75339-
 77185,77631,447,EXACT,ATG:AG-GT
 78044,78343,300,START:Ends:79359-79430-

ID=NCLIV_009620 - 7 A..ATG
 104228,104293,66
 104859,105608,750
 106891,107023,133
 107483,107680,198
 108434,108900,467
 109495,109797,303
 110593,110754,162
 ID=NCLIV_009660 - 2 GCCATGT
 139273,140021,749,END:Starts:137988-138544-
 140481,142047,1567,START:Ends:141526-144496-
 ID=NCLIV_009710 - 1 A..ATG
 188071,188505,435
 ID=NCLIV_009730 - 1 A..ATG
 204281,205588,1308
 ID=NCLIV_009780 - 2 A..ATG
 234507,234761,255
 235214,238360,3147
 ID=NCLIV_009810 - 13 GCCATGT
 250157,250288,132,END:EXACT
 250778,250940,163,EXACT,AG-GT
 251649,252010,362,EXACT,AG-GT
 252362,252521,160,EXACT,AG-GT
 252875,253963,1089,START: end 856 AG-GT
 254373,254819,447,END: start -1498 AG-GT
 255323,255618,296,EXACT,AG-GT
 256447,257039,593,EXACT,AG-GT
 257541,258299,759,EXACT,AG-GT
 258738,259270,533,END: start 141 AG-GC (ref:GC-GC)<< Possible error
 259888,260165,278,EXACT,AG-GT
 260358,260732,375,EXACT,AG-GT
 261482,262414,933,START:Ends:264033-264728-262998-
 ID=NCLIV_009820 - 5 GAAATGA
 265405,265579,175,END:Starts:264787-264869-265166-
 266005,266534,530,END: start 24 AG-GC (ref:AC-GT)<< Possible error
 267078,267222,145,EXACT,AG-GT
 267751,267840,90,EXACT,TAGITGAIITAA:AG-GT
 267987,268033,47
 ID=NCLIV_009850 - 17 G..ATGG
 295195,296343,1149,OVER:Starts:294120-295102-295094-
 296634,296756,123,EXACT,AG-GT
 297038,297119,82,EXACT,AG-GT
 297393,297521,129,EXACT,AG-GT
 298001,298066,66,EXACT,AG-GT
 298294,298376,83,START: end -2 GT
 298570,298786,217,END: start -3 AG (ref:AC-GT)<< Possible error
 299132,299392,261,EXACT,AG-GT
 299992,300182,191,EXACT,AG-GT
 301263,301435,173,START: end 952 AG-GT
 301882,302387,506,END: start -619 AG-GT
 302842,303015,174,START: end 174 GT
 303377,303472,96,END: start -2 AG
 303880,304052,173,EXACT,AG-GT
 304492,305037,546,EXACT,AG-GT
 305632,305701,70,EXACT,AG-GT
 305840,306693,854
 ID=NCLIV_009870 - 3 A..ATG
 312648,312720,73
 313435,313601,167
 313979,315160,1182

ID=NCLIV_009890 - 7 A..ATG
 322750,322990,241,END:Starts:319740-321556-319738-
 323622,323726,105,EXACT,AG-GT
 324067,324187,121,EXACT,AG-GT
 324416,324501,86,EXACT,AG-GT
 324887,325191,305,EXACT,AG-GT
 325865,326847,983,START: end -586 GT
 327563,328349,787,START:Ends:328222-329893-328001-
 ID=NCLIV_009900 - 1 A..ATG
 332737,333882,1146
 ID=NCLIV_009910 - 1 A..ATG
 335810,336970,1161
 ID=NCLIV_009920 - 1 A..ATG
 338742,339917,1176
 ID=NCLIV_009930 - 1 A..ATG
 343555,344727,1173
 ID=NCLIV_009940 - 1 A..ATG
 346652,347836,1185
 ID=NCLIV_009950 - 1 A..ATG
 349752,350921,1170
 ID=NCLIV_009960 - 1 A..ATG
 355949,357139,1191
 ID=NCLIV_009970 - 1 A..ATG
 359007,360173,1167
 ID=NCLIV_009980 - 1 A..ATG
 362069,363259,1191
 ID=NCLIV_009990 - 1 A..ATG
 365516,366712,1197
 ID=NCLIV_010000 - 1 A..ATG
 369195,370361,1167
 ID=NCLIV_010010 - 8 G..ATGG
 376805,376892,88,END:Starts:374798-375745-375744-
 377409,377650,242,EXACT,AG-GT
 377955,378143,189,EXACT,AG-GT
 378714,378906,193,START: end 5 GT
 379046,379403,358,END: start 3 AG (ref:AC-GT)<< Possible error
 379681,379861,181,EXACT,AG-GT
 380128,380252,125,EXACT,AG-GT
 380414,380585,172,START:Ends:381995-381996-381976-
 ID=NCLIV_010050 - 1 A..ATG
 400662,402041,1380
 ID=NCLIV_010060 - 1 TTGATGG
 404050,405201,1152
 ID=NCLIV_010070 - 1 TAAATGG
 407752,409023,1272
 ID=NCLIV_010080 - 1 [CT]..ATG[ACT]
 410852,411802,951
 ID=NCLIV_010100 - 10 G..ATGG
 424011,424107,97
 424663,424765,103
 425058,425178,121
 425481,425561,81
 426027,426110,84
 426618,426729,112
 427155,427261,107
 427542,427597,56
 428279,429154,876
 429543,429882,340
 ID=NCLIV_010110 - 3 A..ATG
 434977,435009,33,END:Starts:434260-434251-434255-

435405,435494,90,EXACT,AG-GT
436283,436429,147,START:Ends:436925-436893-436841-
ID=NCLIV_010120 - 2 G..ATGG
438841,439032,192
439708,439779,72,START:Ends:440518-441312-
ID=NCLIV_010140 - 4 A..ATG
444831,445138,308
445570,445716,147
446220,446366,147
446770,446971,202
ID=NCLIV_010180 - 4 G..ATGG
496499,496768,270,END:Starts:490027-489798-496039-
497335,497567,233,EXACT,AG-GT
498113,498186,74,EXACT,AG-GT
498645,498694,50,START:Ends:499491-499448-
ID=NCLIV_010210 - 7 A..ATG
517351,517385,35,END:EXACT
517695,517804,110,EXACT,AG-GT
518276,518361,86,EXACT,AG-GT
519029,519082,54,START: end -16 GT
519551,519681,131,END: start -2 AG (ref:AC-GT)<< Possible error
520141,520228,88,EXACT,AG-GT
520606,520722,117,START:Ends:520887-520901-520831-
ID=NCLIV_010230 - 1 G..ATGG
531348,533171,1824
ID=NCLIV_010240 - 12 G..ATGG
540857,540947,91,END:Starts:538827-539930-539932-
541350,541839,490,EXACT,AG-GT
542241,542653,413,START: end -9 GT
543061,543241,181,END: start 56 AG (ref:AC-GT)<< Possible error
543799,544380,582,EXACT,AG-GT
544669,544846,178,EXACT,AG-GT
545696,545800,105,EXACT,AG-GT
546110,546175,66,EXACT,AG-GT
546410,546932,523,EXACT,AG-GT
547452,547597,146,EXACT,AG-GT
547986,548102,117,EXACT,AG-GT
548767,548769,3,START:Ends:549886-549897-549890-
ID=NCLIV_010260 - 9 [CT]..ATG[ACT]
554631,555094,464,END:Starts:554256-554268-
555668,556177,510,EXACT,AG
556679,556816,138,EXACT,TAG|TGA|TAA:AG-GT
557138,557330,193,EXACT,GT
557984,558052,69,EXACT,AG-GT
559186,559360,175,EXACT,AG-GT
560016,560687,672,EXACT,AG-GT
561066,561219,154,START: end -18 GT
561611,562262,652
ID=NCLIV_010270 - 11 A..ATG
564842,565137,296
565756,565876,121
566374,566480,107
566805,566880,76
567417,567508,92
567696,567758,63
568657,568764,108
569064,569229,166
569647,569814,168
570228,570430,203
570813,571644,832

ID=NCLIV_010290 - 8 A..ATG
 583382,583777,396,OVER:Starts:582318-583166-585262-
 583923,583992,70,OVER: start -757 and end 2426 AG (ref:AC-GT)<< Possible error
 586270,586418,149,END: start -3104 AG (ref:AC-GT)<< Possible error
 586808,586968,161,EXACT,AG-GT
 587298,587446,149,EXACT,AG-GT
 587624,587695,72,EXACT,AG-GT
 588028,588095,68,EXACT,AG-GT
 588657,588659,3,START:Ends:589172-589164-589159-
 ID=NCLIV_010310 - 11 A..ATG
 598393,598995,603,END:Starts:597465-598127-597383-
 599420,599503,84,EXACT,AG-GT
 600070,602160,2091,EXACT,AG-GT
 602520,602936,417,EXACT,AG-GT
 603533,603573,41,EXACT,AG-GT
 603905,603980,76,EXACT,AG-GT
 604254,604322,69,EXACT,AG-GT
 604544,604616,73,EXACT,AG-GT
 605081,605221,141,EXACT,AG-GT
 605551,605886,336,EXACT,AG-GT
 606262,606317,56,START:Ends:607599-607567-606742-
 ID=NCLIV_010320 - 9 A..ATG
 610541,610592,52,END:Starts:610305-610207-610208-
 610910,611187,278,EXACT,AG-GT
 611544,611678,135,EXACT,AG-GT
 612357,612572,216,EXACT,AG-GT
 613255,614010,756,START: end -365 AG-GT
 614420,614632,213,EXACT,ATG:AG-GT
 615075,615133,59,EXACT,AG-GT
 615632,615701,70,EXACT,AG-GT
 616348,616539,192,START:Ends:617093-617106-
 ID=NCLIV_010330 - 9 A..ATG
 618685,618807,123
 619280,619506,227
 620412,620640,229
 621120,621194,75
 621815,621944,130
 622305,622479,175
 622836,623103,268
 623417,623562,146
 623995,624085,91
 ID=NCLIV_010340 - 9 [CT]..ATG[ACT]
 627015,629298,2284
 629680,629745,66
 630048,630193,146
 630872,631141,270,EXACT,AG
 631590,632505,916,EXACT,GT
 633427,633634,208
 633924,634056,133
 634344,635707,1364
 637234,637282,49
 ID=NCLIV_010350 - 2 A..ATG
 641797,642447,651,END:Starts:641689-641651-641683-
 642576,642656,81,START:EXACT
 ID=NCLIV_010370 - 4 A..ATG
 659938,660035,98,END:Starts:659421-658218-659454-
 660559,660776,218,EXACT,AG-GT
 661163,661266,104,START: end 377 GT
 661758,661781,24,OVER:Ends:663790-662006-
 ID=NCLIV_010380 - 29 A..ATG

666536,666653,118
 667190,667234,45
 667425,667489,65
 667967,668057,91
 668542,668741,200
 669088,669235,148
 669436,669481,46
 669688,670726,1039
 671111,671275,165
 671684,671983,300
 672429,672939,511
 673104,673959,856
 674405,674477,73
 674808,675119,312
 675463,675645,183
 676025,677129,1105
 677583,677897,315
 678456,678610,155
 678887,679060,174
 679172,679548,377
 679934,680274,341
 681264,681283,20
 681911,682117,207
 682725,683093,369
 683502,683583,82
 684243,684558,316
 686199,686376,178
 686768,686919,152
 687180,687927,748
 ID=NCLIV_010410 - 2 A..ATG
 702618,702779,162,END:Starts:701975-702478-702495-
 703524,703811,288,START:Ends:704306-704458-704304-
 ID=NCLIV_010420 - 3 A..ATG
 706232,706384,153
 707658,710795,3138
 711578,711664,87
 ID=NCLIV_010450 - 7 A..ATG
 732202,732267,66
 732324,732345,22
 732405,732425,21
 732481,732545,65
 732602,732637,36
 732695,732729,35
 732784,733024,241
 ID=NCLIV_010470 - 1 [CT]..ATG[ACT]
 734868,735770,903
 ID=NCLIV_010480 - 4 G..ATGG
 738892,738978,87,END:Starts:737965-737957-737995-
 739405,739687,283,END: start 142 AG-GT (ref:AC-GT)<< Possible error
 739987,740140,154,EXACT,AG-GT
 740544,740652,109,START:Ends:741512-746854-746224-
 ID=NCLIV_010510 - 7 GAAATGC
 753374,753541,168,END:EXACT
 754535,754603,69,EXACT,AG-GT
 755268,755356,89,EXACT,AG-GT
 755843,755963,121,EXACT,AG-GT
 756513,756618,106,EXACT,AG-GT
 757124,757202,79,EXACT,AG-GT
 757778,757790,13,START:EXACT
 ID=NCLIV_010530 - 1 TAGATGG

767619,768449,831
ID=NCLIV_010560 - 2 A..ATG
803471,805104,1634,END:Starts:804953-803102-
805639,806461,823,START:Ends:806551-806335-806299-
ID=NCLIV_010620 - 8 A..ATG
859427,859589,163,END:Starts:858370-856590-
859942,860414,473,EXACT,AG-GT
860706,860764,59,START: end 170 GT
861143,861226,84,END: start -3 AG
861700,861807,108,EXACT,AG-GT
862199,862333,135,EXACT,AG-GT
862808,863349,542,EXACT,AG-GT
863601,864181,581,START:Ends:865379-864352-
ID=NCLIV_010640 - 4 [CT]..ATG[ACT]
875597,876303,707
877100,877170,71
877440,877604,165
878312,881928,3617
ID=NCLIV_010650 - 2 CCCATGG
885293,885876,584,END:Starts:883953-884434-884517-
886458,886770,313,START:Ends:887328-887354-887304-
ID=NCLIV_010670 - 1 [CT]..ATG[ACT]
903268,905517,2250
ID=NCLIV_010690 - 3 [CT]..ATG[ACT]
924128,926197,2070,END:Starts:925861-922580-
926603,926728,126,START: end 382 GT
926931,928610,1680
ID=NCLIV_010700 - 3 A..ATG
931238,931469,232
931679,932007,329
932307,936920,4614
ID=NCLIV_010750 - 1 [CT]..ATG[ACT]
965676,969884,4209
ID=NCLIV_010770 - 9 A..ATG
1006742,1007179,438,END:Starts:1004868-1004814-
1007370,1007693,324,EXACT,AG-GT
1008012,1008458,447,START: end -1 GT
1009100,1009192,93,END: start -2 AG
1009493,1009600,108,EXACT,AG-GT
1009841,1009994,154,EXACT,AG-GT
1010723,1010889,167,EXACT,AG-GT
1011543,1013107,1565,START: end -2 GT
1014115,1014190,76
ID=NCLIV_010790 - 8 GCCATGC
1029140,1029324,185
1030449,1030511,63
1030898,1030958,61
1031539,1031575,37
1031909,1032010,102
1032411,1032722,312
1032962,1033491,530
1034344,1038798,4455
ID=NCLIV_010800 - 8 [CT]..ATG[ACT]
1041457,1041613,157,END:Starts:1040763-1040811-1040781-
1042005,1042073,69,START: end -6 GT
1042659,1042726,68
1042857,1042923,67
1043359,1043451,93,END: start -17 AG-GT
1043819,1044003,185,EXACT,AG-GT
1044282,1044359,78,EXACT,AG-GT

1044625,1044861,237,START:Ends:1044901-1045210-
ID=NCLIV_010820 - 9 G..ATGG
1048947,1049646,700
1049706,1049736,31
1049791,1049826,36
1049881,1049936,56
1049991,1050034,44
1050572,1050634,63
1050692,1050752,61
1050808,1050952,145
1051010,1051157,148
ID=NCLIV_010830 - 6 A..ATG
1052664,1052741,78,END:Starts:1051867-1051864-
1053088,1053199,112,EXACT,GT
1053444,1053536,93
1053649,1053769,121
1054292,1055399,1108,END: start 44 AG
1055693,1056088,396,START:Ends:1057102-1055837-
ID=NCLIV_010840 - 6 G..ATGG
1059891,1060120,230,END:Starts:1059310-1059760-1059726-
1060431,1060537,107,EXACT,AG-GT
1061109,1061202,94,EXACT,AG-GT
1061683,1061755,73,EXACT,AG-GT
1062711,1062871,161,EXACT,AG-GT
1063135,1063450,316,START:Ends:1064484-1063619-
ID=NCLIV_010880 - 16 G..ATGG
1089709,1090153,445,OVER:Starts:1090711-1088041-
1090705,1090732,28,END: start -2664 AG
1091167,1091354,188,EXACT,AG-GT
1091791,1092054,264,START: end 222 GT
1092483,1092622,140
1093628,1093733,106
1093855,1093904,50
1094246,1094413,168
1094691,1094744,54
1095077,1095117,41
1095595,1095754,160
1096138,1096296,159
1096714,1096815,102
1097179,1097326,148
1097861,1098644,784
1098949,1099441,493
ID=NCLIV_010890 - 3 [CT]..ATG[ACT]
1102076,1102216,141,END:Starts:1101430-1101015-1102069-
1102348,1102522,175,EXACT,AG-GT
1102636,1103936,1301,START:Ends:1102864-1104713-1104698-
ID=NCLIV_010910 - 1 G..ATGG
1113146,1114156,1011,WITHIN:EXACT
ID=NCLIV_010950 - 9 GTCATGA
1140934,1140980,47,END:Starts:1139252-1139194-1139043-
1141149,1141231,83,EXACT,AG-GT
1141757,1141834,78,EXACT,AG-GT
1142150,1142276,127,EXACT,AG-GT
1142468,1142681,214,EXACT,AG-GT
1142995,1143316,322,EXACT,AG-GT
1143703,1143890,188,EXACT,AG-GT
1144250,1144780,531,EXACT,AG-GT
1145388,1145711,324,START:Ends:1145826-1145816-1145812-
ID=NCLIV_010960 - 8 A..ATG
1148045,1148803,759

1148962,1149112,151,EXACT,AG-GT
1149642,1149810,169,EXACT,AG-GT
1150158,1150440,283,END: start 24 AG-GC
1151152,1151395,244,EXACT,AG-GT
1151765,1151856,92,EXACT,AG-GT
1152221,1152292,72,START: end 866 AG-GT
1152626,1152799,174,OVER:Ends:1152292-1153158-
ID=NCLIV_010970 - 2 A..ATG
1155293,1155536,244,END:Starts:1155514-1153267-1154069-
1156383,1157095,713,START:Ends:1157878-1158087-1157882-
ID=NCLIV_010980 - 10 A..ATG
1159750,1159869,120,END:Starts:1158995-1158906-1158994-
1160312,1160373,62,START: end 10 GT
1161079,1161170,92
1161799,1161844,46
1162493,1162582,90
1163091,1163225,135
1163700,1163823,124
1164463,1164643,181
1165041,1165229,189
1165596,1165894,299
ID=NCLIV_011000 - 2 [CT]..ATG[ACT]
1171610,1171974,365
1172647,1174177,1531
ID=NCLIV_011020 - 9 GCGATGC
1186957,1187042,86
1187844,1187906,63
1188475,1188735,261
1189323,1189625,303
1190072,1190404,333
1191562,1191681,120
1192685,1192813,129
1193404,1193595,192
1193711,1193891,181
ID=NCLIV_011030 - 14 A..ATG
1198206,1198300,95,END:EXACT
1198487,1198546,60,EXACT,AG-GT
1198829,1199089,261,EXACT,TAG|TGAI|TAA:AG-GT
1199305,1199604,300,EXACT,AG-GT
1200118,1200441,324
1200812,1201198,387
1201886,1201954,69
1202215,1202481,267
1203092,1203286,195
1203548,1203709,162
1203981,1204019,39
1204502,1204738,237
1205163,1205201,39
1205461,1207204,1744
ID=NCLIV_011040 - 20 A..ATG
1210746,1210825,80,END:Starts:1210689-1210622-1210618-
1211210,1211294,85,EXACT,AG-GT
1211945,1212076,132,EXACT,AG-GT
1212343,1212506,164,EXACT,AG-GT
1212847,1212913,67,EXACT,AG-GT
1213606,1213755,150,EXACT,AG-GT
1214615,1214631,17
1214959,1215034,76,EXACT,AG-GT
1215380,1215529,150,EXACT,AG-GT
1215838,1215933,96,START: end -1 GT

1216155,1216220,66,END: start 4 AG
1216822,1216893,72,EXACT,AG-GT
1217309,1217395,87,EXACT,AG-GT
1217912,1218093,182,EXACT,AG-GT
1218436,1218678,243,EXACT,AG-GT
1219330,1219379,50,START: end 3 AG-GT
1219947,1220073,127,EXACT,AG-GT
1220510,1220685,176,EXACT,AG-GT
1221178,1221290,113,EXACT,AG-GT
1221741,1221800,60,START:Ends:1222031-1222046-
ID=NCLIV_011050 - 3 GATATGT
1225055,1225226,172
1225388,1225520,133
1225583,1225814,232
ID=NCLIV_011060 - 9 A..ATG
1227138,1227205,68,END:Starts:1226570-1226548-1226554-
1227402,1227483,82,EXACT,AG-GT
1227617,1227669,53,EXACT,AG-GT
1227793,1227918,126,EXACT,AG-GT
1228037,1228109,73,EXACT,ATG:AG-GT
1228528,1228583,56,EXACT,AG-GT
1228742,1228788,47,EXACT,AG-GT
1229068,1229147,80,EXACT,AG-GT
1229648,1229707,60,START:Ends:1230463-1230449-1229863-
ID=NCLIV_011090 - 6 A..ATG
1258091,1259992,1902
1260395,1260708,314
1261112,1261262,151
1261509,1261979,471
1262630,1262700,71
1263073,1264426,1354
ID=NCLIV_011110 - 15 G..ATGG
1267586,1268216,631,END:Starts:1266660-1266817-1266842-
1268479,1269002,524,EXACT,AG-GT
1269131,1269312,182,EXACT,AG-GT
1269564,1270036,473,EXACT,AG-GT
1270406,1270590,185,EXACT,AG-GT
1270879,1271359,481,EXACT,AG-GT
1271943,1272570,628,EXACT,AG-GT
1273280,1273672,393,EXACT,AG-GT
1274321,1274444,124,EXACT,ATG:AG-GT
1275208,1275322,115,EXACT,AG-GT
1275469,1275669,201,EXACT,AG-GT
1276119,1276314,196,EXACT,AG-GT
1276523,1276742,220,START: end 44 AG-GT (ref:AC-GT)<< Possible error
1277695,1278387,693,EXACT,AG-GT
1278695,1280413,1719,START:Ends:1282127-1282079-
ID=NCLIV_011120 - 7 A..ATG
1287177,1287347,171,END:EXACT
1287765,1287873,109,EXACT,AG-GT
1288292,1288397,106,EXACT,AG-GT
1288665,1288859,195,EXACT,ATG:AG-GT
1289207,1289336,130,EXACT,AG-GT
1289662,1289789,128,START: end -11 GT
1290236,1290347,112
ID=NCLIV_011150 - 11 A..ATG
1305264,1305348,85,END:Starts:1304215-1303459-
1305940,1306114,175,START: end 144 GT
1306611,1306679,69
1306946,1307003,58,END: start 7 AG (ref:AC-GT)<< Possible error

1307407,1307798,392,EXACT,AG-GT
1308515,1308576,62,EXACT,AG-GT
1308875,1308941,67,EXACT,AG-GT
1309749,1309826,78,EXACT,GT
1310256,1310353,98,EXACT,AG-GT
1311095,1312602,1508,START: end -1066 GT
1313000,1314772,1773,START:Ends:1316304-1313950-1313227-
ID=NCLIV_011165 - 1 A..ATG
1329849,1331231,1383
ID=NCLIV_011170 - 11 A..ATG
1335843,1337767,1925,OVER:Starts:1332871-1332631-
1337975,1338120,146,END: start -5104 AG
1338486,1338572,87,EXACT,AG-GT
1338765,1338824,60,EXACT,AG-GT
1339195,1339304,110,EXACT,AG-GT
1339698,1339855,158,EXACT,AG-GT
1339974,1340156,183,EXACT,AG-GT
1340585,1340750,166,EXACT,AG-GT
1341121,1341225,105,EXACT,AG-GT
1341571,1341704,134,EXACT,AG-GT
1341884,1344845,2962,START:EXACT
ID=NCLIV_011190 - 9 A..ATG
1355028,1355258,231,END:Starts:1354741-1354782-1354496-
1355681,1355863,183,EXACT,AG-GT
1356129,1356258,130,EXACT,AG-GT
1356640,1356744,105,EXACT,AG-GT
1357126,1357297,172,EXACT,AG-GT
1357635,1357744,110,EXACT,AG-GT
1358237,1358365,129,EXACT,AG-GT
1358816,1358904,89,EXACT,AG-GT
1359321,1359572,252,START:Ends:1361054-1363797-1360087-
ID=NCLIV_011210 - 16 TCGATGG
1365848,1365987,140,END:Starts:1365521-1365507-1363982-
1366270,1366480,211,EXACT,AG-GT
1366785,1366957,173,EXACT,ATG:AG-GT
1367326,1367686,361,EXACT,AG-GT
1368012,1368257,246,EXACT,AG-GT
1368771,1368968,198,EXACT,AG-GT
1369106,1369305,200,EXACT,AG-GT
1369924,1370042,119,START: end 22 AG-GT
1370630,1370741,112,START: end 413 AG
1370980,1371154,175,END: start -350 AG
1371650,1371793,144,START: end 301 AG-GT
1371846,1372092,247,OVER: start -196 and end 2 AG-GT
1372567,1372774,208,END: start -2 AG-GT
1373515,1373862,348,EXACT,AG-GT
1374462,1374515,54,START: end 131 GT
1374563,1374587,25,OVER:Ends:1374525-1374646-
ID=NCLIV_011220 - 12 [CT]..ATG[ACT]
1376666,1376710,45,END:Starts:1375613-1375209-
1377052,1377135,84,EXACT,AG
1377405,1377517,113,EXACT,GT
1377853,1377939,87
1378322,1378401,80
1378823,1378898,76
1379111,1379228,118
1379737,1379819,83
1380409,1380495,87
1380725,1380938,214
1381524,1381558,35

1381708,1381723,16
 ID=NCLIV_011250 - 9 A..ATG
 1389453,1389649,197,END:Starts:1387862-1389019-
 1390235,1390441,207,EXACT,AG-GT
 1390673,1391244,572,EXACT,GT
 1391778,1392421,644
 1393006,1393170,165,END: start -1227 AG
 1394110,1394247,138,EXACT,AG-GT
 1394664,1395144,481,EXACT,AG-GT
 1395573,1395726,154,EXACT,TAG|TGA|TAA:AG-GT
 1396359,1396989,631,START:EXACT
 ID=NCLIV_011260 - 2 A..ATG
 1399857,1401076,1220
 1401385,1407385,6001
 ID=NCLIV_011280 - 5 [CT]..ATG[ACT]
 1416230,1417153,924
 1417284,1417460,177
 1418094,1418138,45
 1418918,1419083,166
 1419206,1419225,20
 ID=NCLIV_011290 - 1 A..ATG
 1422749,1426396,3648
 ID=NCLIV_011300 - 12 A..ATG
 1429678,1429749,72
 1430296,1430646,351,END: start -1 AG
 1431009,1431059,51
 1431499,1432462,964,EXACT,AG
 1432915,1435051,2137,START: end 489 GT
 1435346,1435546,201
 1435833,1436733,901
 1437315,1437664,350
 1437951,1438003,53
 1438721,1438909,189,END: start 20 AG-GT
 1439343,1439766,424,EXACT,GT
 1441132,1441213,82
 ID=NCLIV_011305 - 1 GCAATGA
 1442769,1443926,1158
 ID=NCLIV_011310 - 2 GAGATGC
 1454943,1455210,268
 1455676,1456589,914
 ID=NCLIV_011350 - 2 [CT]..ATG[ACT]
 1477413,1481230,3818
 1481651,1481669,19
 ID=NCLIV_011370 - 2 [CT]..ATG[ACT]
 1498460,1501297,2838,END:Starts:1496710-1496714-1496638-
 1501717,1503765,2049,START:EXACT
 ID=NCLIV_011390 - 5 [CT]..ATG[ACT]
 1514239,1516081,1843
 1517027,1519286,2260,EXACT,Code:INTERNAL-
 1519527,1521089,1563,EXACT,ATG:AG-GT
 1521903,1522827,925
 1523503,1523709,207
 ID=NCLIV_011400 - 27 GAGATGA
 1529081,1529432,352,END:EXACT
 1529898,1529945,48,EXACT,AG-GT
 1530456,1530655,200,EXACT,AG-GT
 1531323,1531455,133,EXACT,AG-GT
 1531968,1532106,139,EXACT,GT
 1532651,1532790,140,EXACT,AG
 1533303,1533411,109,EXACT,AG-GT

1533576,1533776,201,START: end -7 GT
 1534092,1534187,96
 1534572,1534679,108
 1535387,1535552,166,EXACT,AG
 1535936,1536159,224,EXACT,GT
 1536940,1537027,88
 1537501,1537601,101,EXACT,AG
 1537944,1538052,109,EXACT,AG-GT
 1538407,1538504,98,EXACT,AG-GT
 1539086,1539234,149,EXACT,AG-GT
 1539520,1539605,86,EXACT,AG-GT
 1540284,1540390,107,EXACT,ATG:AG-GT
 1540884,1541052,169,START: end -12 GT
 1541488,1541637,150,END: start 6 AG
 1542037,1542123,87,EXACT,AG-GT
 1542615,1542791,177,START: end 2 GT
 1543207,1543334,128,END: start 15 AG
 1543774,1543858,85,EXACT,AG-GT
 1544145,1544393,249,EXACT,AG-GT
 1544639,1545124,486,START:Ends:1546720-1546509-
 ID=NCLIV_011420 - 7 GAGTTGA
 1554010,1554359,350,END:Starts:1553944-1553960-1553975-
 1554472,1554509,38,EXACT,AG-GT
 1554623,1554804,182,EXACT,AG-GT
 1554959,1555066,108,EXACT,AG-GT
 1555194,1555385,192,EXACT,AG-GT
 1555573,1555720,148,START: end -40 AG-GT
 1555974,1556128,155,START:EXACT
 ID=NCLIV_011440 - 6 GGGATGA
 1568804,1568957,154,OVER:Starts:1568683-1568106-1568482-
 1569246,1570989,1744,END: start -764 AG (ref:AC-GT)<< Possible error
 1571410,1571779,370,START: end 111 GT
 1572062,1577052,4991,END: start 3414 AG
 1577813,1578551,739
 1578846,1578977,132
 ID=NCLIV_011460 - 3 GGTATGC
 1586843,1588245,1403,OVER:Starts:1583130-1583078-
 1588789,1589197,409,END: start -5711 AG
 1589844,1590146,303,START:EXACT
 ID=NCLIV_011480 - 12 [CT]..ATG[ACT]
 1602276,1602339,64,END:EXACT
 1602677,1602801,125,EXACT,AG-GT
 1604253,1604375,123,START: end -25 GT
 1604683,1604847,165
 1605108,1605211,104
 1605881,1605993,113
 1606209,1606421,213
 1606841,1606920,80
 1607669,1607785,117
 1608206,1608271,66
 1609424,1609662,239
 1610421,1610907,487
 ID=NCLIV_011510 - 8 A..ATG
 1624243,1624629,387,END:Starts:1623615-1623677-1618100-
 1625421,1625493,73,EXACT,AG-GT
 1626035,1626405,371,EXACT,GT
 1626897,1627916,1020,EXACT,AG
 1628416,1629237,822,START: end 169 GT
 1629562,1629743,182
 1631782,1631928,147

1632750,1633170,421
ID=NCLIV_011550 - 5 A..ATG
1651868,1651925,58,END:Starts:1651227-1651331-1651201-
1652363,1652641,279,EXACT,AG-GT
1654325,1654395,71,EXACT,AG-GT
1654964,1655127,164,START: end -54 AG-GT (ref:AC-GT)<< Possible error
1656027,1656075,49,START:Ends:1657076-1656075-1657027-
ID=NCLIV_011580 - 10 CCGATGG
1671620,1671761,142,END:EXACT
1672139,1672363,225,EXACT,AG-GT
1673098,1673662,565,EXACT,AG-GT
1674198,1674284,87,EXACT,AG-GT
1674808,1674982,175,EXACT,AG-GT
1675664,1675737,74,EXACT,AG-GT
1676158,1676832,675,EXACT,AG-GT
1677324,1677383,60,EXACT,AG-GT
1677819,1677908,90,EXACT,AG-GT
1678716,1679667,952,START:Ends:1680538-1680540-1680503-
ID=NCLIV_011640 - 3 A..ATG
1734133,1734183,51
1734598,1735010,413,END: start -37 AG (ref:AC-GT)<< Possible error
1735206,1740624,5419,START:Ends:1741917-1740603-1735505-
ID=NCLIV_011660 - 2 A..ATG
1750732,1751906,1175
1751962,1752016,55
ID=NCLIV_011690 - 6 A..ATG
1770332,1770421,90,OVER:Ends:1768993-1771283-
1770615,1770629,15,OVER: start -2174 and end 654 AG (ref:AC-GT)<< Possible error
1771014,1771130,117,OVER: start -2573 and end 153 AG (ref:AC-GT)<< Possible error
1771665,1771730,66,EXACT,AG-GT
1771977,1772327,351,EXACT,AG-GT
1772641,1772850,210,START:Ends:1773280-1773548-1773275-
ID=NCLIV_011700 - 5 [CT]..ATG[ACT]
1774397,1774504,108,OVER:Starts:1773897-1773896-1773903-
1774809,1775078,270,END: start -912 AG (ref:AC-GT)<< Possible error
1775360,1775425,66,EXACT,AG-GT
1775705,1776003,299,START: end 4 AG-GT (ref:AC-GT)<< Possible error
1776376,1776583,208
ID=NCLIV_011720 - 15 G..ATGG
1784133,1784450,318
1784869,1786923,2055
1787197,1788099,903
1788687,1788871,185
1789323,1794111,4789
1794565,1796264,1700
1796788,1796929,142
1797544,1797662,119
1798081,1798798,718
1798990,1799143,154
1799463,1799629,167
1800296,1800357,62
1800701,1800898,198
1801258,1801388,131
1801769,1801836,68
ID=NCLIV_011730 - 1 GTAATGA
1808985,1810607,1623
ID=NCLIV_011760 - 8 GCCATGC
1826193,1826339,147,END:Starts:1824812-1824789-1824666-
1826821,1826970,150,EXACT,AG-GT
1827892,1828036,145,EXACT,AG-GT

1828445,1828607,163,EXACT,AG-GT
 1829219,1829309,91,START: end -10 GT
 1829909,1829992,84,END: start -2 AG
 1830260,1830380,121,EXACT,AG-GT
 1830914,1831350,437,START:Ends:1832241-1831920-
 ID=NCLIV_011770 - 5 A..ATG
 1833959,1834040,82
 1834714,1834856,143,EXACT,AG
 1835194,1835361,168,EXACT,AG-GT
 1836617,1837108,492,EXACT,AG-GT
 1837316,1839145,1830
 ID=NCLIV_011780 - 10 A..ATG
 1842699,1845586,2888,END:Starts:1841331-1841747-1841425-
 1845937,1846115,179,EXACT,AG-GT
 1846711,1847825,1115,EXACT,AG-GT
 1848291,1848419,129,EXACT,AG-GT
 1848605,1848738,134,EXACT,AG-GT
 1849082,1849313,232,EXACT,AG-GT
 1849914,1850565,652,EXACT,AG-GT
 1850949,1851930,982,START: end -450 GT
 1852251,1852410,160
 1852791,1853744,954,START:Starts:1852803-1852791-
 ID=NCLIV_011790 - 7 A..ATG
 1857887,1858062,176,END:Starts:1856093-1856114-
 1858290,1858388,99,EXACT,AG
 1858771,1858909,139,EXACT,AG-GT
 1859288,1859400,113,EXACT,AG-GT
 1859978,1860166,189,EXACT,ATG:AG-GT
 1860466,1860929,464,EXACT,AG-GT
 1861866,1862524,659,START:Ends:1863879-1863882-1862718-
 ID=NCLIV_011830 - 5 A..ATG
 1878903,1879022,120,END:Starts:1878640-1878710-1878706-
 1879282,1879414,133,EXACT,AG-GT
 1879826,1879906,81,EXACT,AG-GT
 1880260,1880398,139,EXACT,AG-GT
 1881433,1881535,103,START:Ends:1881919-1883766-1882330-
 ID=NCLIV_011840 - 8 A..ATG
 1883691,1883764,74,OVER:Starts:1883414-1881433-1883388-
 1883880,1883914,35
 1884482,1884579,98,EXACT,AG-GT
 1884889,1884977,89,START: end 119 GT
 1885616,1885721,106
 1886277,1886447,171
 1886854,1886924,71
 1887195,1887408,214
 ID=NCLIV_011860 - 6 A..ATG
 1897311,1899152,1842
 1899668,1899877,210
 1900175,1901107,933
 1901538,1902200,663
 1902767,1902882,116
 1903542,1903653,112
 ID=NCLIV_011870 - 7 GCGATGC
 1907338,1908510,1173,END:Starts:1906487-1906476-1906350-
 1909332,1909448,117,EXACT,AG-GT
 1910166,1910229,64,EXACT,AG-GT
 1910815,1910923,109,EXACT,AG-GT
 1911670,1911764,95,EXACT,TAG|TGA|TAA:AG-GT
 1912131,1912201,71,EXACT,AG-GT
 1912756,1912836,81,START:EXACT

ID=NCLIV_011890 - 3 G..ATGG
1923672,1925097,1426
1925514,1925790,277
1926178,1926733,556

ID=NCLIV_011900 - 14 A..ATG
1929458,1929629,172,END:Starts:1928889-1928932-1928951-
1930119,1930221,103,EXACT,AG-GT
1930458,1930547,90,EXACT,AG-GT
1931008,1931142,135,EXACT,AG-GT
1931498,1931817,320,EXACT,AG-GT
1932788,1932913,126,EXACT,AG-GT
1933410,1933572,163,EXACT,AG-GT
1933855,1933987,133,EXACT,AG-GT
1934460,1934557,98,EXACT,AG-GT
1934907,1934998,92,EXACT,AG-GT
1935381,1935480,100,EXACT,AG-GT
1936290,1936427,138,EXACT,AG-GT
1936690,1936798,109,EXACT,AG-GT
1937535,1937540,6,START:Ends:1951661-1951747-1938118-

ID=NCLIV_011920 - 3 A..ATG
1944076,1945697,1622,OVER:Ends:1951661-1951747-1938118-
1946229,1946502,274,OVER: start -8694 and end 5159 GT
1947137,1948411,1275,OVER:Ends:1951661-1951747-1938118-

ID=NCLIV_011940 - 2 [CT]..ATG[ACT]
1972971,1977997,5027,OVER:Starts:1969357-1968904-1969838-
1978139,1978709,571,OVER:Starts:1969357-1968904-1969838-

ID=NCLIV_012000 - 5 A..ATG
2036644,2036763,120
2037100,2037235,136,EXACT,AG-GT
2038106,2038168,63,EXACT,AG-GT
2038527,2038687,161,START: end 364 GT
2039684,2039812,129,START:Ends:2039816-2039805-

ID=NCLIV_012030 - 7 A..ATG
2066570,2066757,188,END:Starts:2064554-2064603-
2067148,2067253,106,EXACT,AG-GC
2068023,2068146,124,EXACT,AG-GT
2068691,2068749,59,EXACT,AG-GT
2069606,2069775,170,EXACT,AG-GT
2069880,2070346,467,EXACT,AG-GT
2070632,2070678,47,START:Ends:2070875-2071069-

ID=NCLIV_012040 - 12 A..ATG
2072450,2072532,83,END:Starts:2072156-2072165-2072082-
2072993,2073059,67,EXACT,AG-GT
2073463,2073543,81,EXACT,AG-GT
2073837,2073974,138,EXACT,AG-GT
2074635,2074679,45,EXACT,AG-GT
2075215,2075256,42,EXACT,AG-GT
2075631,2075944,314,EXACT,AG-GT
2076282,2076379,98,EXACT,TAG|TGA|TAA:AG-GT
2076657,2076779,123,EXACT,AG-GT
2077323,2077430,108,EXACT,AG-GT
2077935,2078146,212,EXACT,AG-GT
2078573,2079019,447,START:Ends:2080960-2082191-2081009-

ID=NCLIV_012060 - 12 GCAATGC
2104965,2105099,135
2105154,2105234,81
2105295,2105345,51
2105402,2105449,48
2105510,2105557,48
2105608,2105639,32

2105700,2105769,70
 2105826,2105911,86
 2105968,2106003,36
 2106058,2106148,91
 2106210,2106290,81
 2106346,2106558,213
 ID=NCLIV_012080 - 1 CTGATGG
 2113171,2114790,1620
 ID=NCLIV_012090 - 18 A..ATG
 2122463,2122545,83,END:Starts:2121902-2121949-2121911-
 2122939,2123031,93,EXACT,AG-GT
 2123532,2123604,73,EXACT,AG-GT
 2123968,2124014,47,EXACT,AG-GT
 2124795,2124861,67,EXACT,AG-GT
 2125502,2125548,47,EXACT,AG-GT
 2125911,2126039,129,START: end 158 GT
 2126554,2126695,142
 2127079,2127127,49,EXACT,AG-GT
 2127453,2127752,300,EXACT,AG-GT
 2128096,2128142,47,EXACT,AG-GT
 2128470,2128535,66,EXACT,AG-GT
 2128802,2128879,78,EXACT,AG-GT
 2129348,2129382,35,EXACT,ATG:AG-GT
 2130037,2130124,88
 2130627,2130724,98
 2131458,2131505,48,END: start -183 AG (ref:AC-GT)<< Possible error
 2132353,2132875,523,START:Ends:2133771-2133746-2133750-
 ID=NCLIV_012130 - 10 A..ATG
 2186510,2186657,148,END:EXACT
 2187193,2187325,133,EXACT,AG-GT
 2187832,2187999,168,START: end 526 AG-GT
 2188350,2188525,176,END: start -518 AG-GT
 2188868,2188948,81,EXACT,AG-GT
 2189546,2189700,155,EXACT,AG-GT
 2190174,2190386,213,START: end 2 GT
 2190843,2191000,158,END: start 7 AG (ref:AC-GT)<< Possible error
 2191379,2191505,127,EXACT,AG-GT
 2192653,2192883,231,START:EXACT
 ID=NCLIV_012140 - 5 A..ATG
 2194818,2194981,164
 2196228,2196270,43
 2196613,2196703,91
 2197213,2197428,216
 2198044,2198138,95
 ID=NCLIV_012150 - 15 TGAATGG
 2215527,2215670,144
 2215982,2216071,90,END: start 24 AG-GC (ref:AC-GT)<< Possible error
 2216517,2216655,139,EXACT,AG-GT
 2217067,2217160,94,EXACT,AG-GT
 2217564,2217651,88,EXACT,ATG:AG-GT
 2218190,2218281,92,EXACT,AG-GT
 2218810,2218970,161,EXACT,AG-GT
 2219479,2219560,82,END: start -78 AG-GC (ref:AC-GT)<< Possible error
 2219829,2220009,181,START: end -59 GT
 2220273,2220324,52,END: start 23 AG-GC (ref:AC-GT)<< Possible error
 2220883,2221189,307,EXACT,AG-GT
 2221894,2222220,327,EXACT,AG-GT
 2222809,2222962,154,START: end 1 GT
 2223600,2224803,1204,END: start 731 AG
 2225405,2225859,455,START:Ends:2227303-2225773-

ID=NCLIV_012160 - 11 A..ATG
 2233179,2233229,51
 2233822,2234104,283
 2234289,2234362,74
 2234781,2234931,151
 2235357,2235452,96
 2235769,2235982,214
 2236664,2236717,54,OVER: start -30 and end 441 NONE
 2237527,2237530,4
 2238144,2238218,75
 2238486,2238576,91
 2238856,2239190,335
 ID=NCLIV_012170 - 16 A..ATG
 2242222,2242447,226
 2243012,2243133,122
 2243510,2246471,2962
 2247422,2247583,162
 2248219,2248297,79
 2248598,2248704,107
 2249223,2249385,163
 2249708,2249782,75
 2250445,2250507,63
 2250908,2251485,578
 2252284,2252711,428
 2254498,2255035,538
 2255633,2255768,136
 2256129,2256271,143
 2256784,2256850,67
 2257226,2257433,208
 ID=NCLIV_012180 - 3 GTTATGC
 2263613,2263652,40,END:Starts:2262690-2262399-2262907-
 2264197,2264297,101,START: end 546 AG-GT (ref:AC-GT)<< Possible error
 2265366,2266979,1614,START:Ends:2268977-2268869-2267603-
 ID=NCLIV_012190 - 13 GAGATGA
 2271536,2271740,205,END:Starts:2271471-2270434-
 2272348,2272498,151,EXACT,AG-GT
 2273132,2273321,190,EXACT,GT
 2273905,2274090,186
 2275152,2275455,304
 2276227,2276444,218
 2276783,2276875,93
 2277276,2277485,210
 2277924,2278032,109
 2278329,2278480,152
 2279107,2279564,458
 2279819,2280689,871,END: start 310 AG
 2281019,2281579,561
 ID=NCLIV_012195 - 2 A..ATG
 2286862,2287173,312,END:Starts:2284287-2282682-2285026-
 2288255,2288428,174,START:Ends:2289073-2288946-2288936-
 ID=NCLIV_012200 - 1 GAGATGC
 2301785,2304604,2820
 ID=NCLIV_012210 - 1 CGTATGG
 2315356,2317245,1890

CHROMOSOME V – FORWARD

ID=NCLIV_012220 + 4 G..ATGG
 7565,7827,263
 8305,8437,133,END: start -105 GT (ref:AG-GT)<< Possible error

8959,9298,340,EXACT,AG-GT
 9624,9667,44,START:Ends:10378-10288-
 ID=NCLIV_012230 + 4 G..ATGG
 11748,12770,1023,END:Starts:11479-11473-11649-
 13351,13553,203,EXACT,AG-GT
 13864,14179,316,EXACT,AG-GT
 14403,14528,126,START:Ends:17251-18987-
 ID=NCLIV_012250 + 6 G..ATGG
 29522,29626,105,END:Starts:29467-28446-
 30000,30313,314,START: end 2 AG
 30687,30872,186,START: end 543 AG-GT (ref:AG-GT)<< Possible error
 31280,31415,136,END: start -593 AG-GT (ref:AG-GT)<< Possible error
 31867,31918,52,EXACT,AG-GT
 32664,32749,86,START:Ends:33921-33044-34131-
 ID=NCLIV_012270 + 4 [CT]..ATG[ACT]
 43492,43508,17
 43956,44316,361,END: start -177 GT
 44779,44959,181,START: end 95 AG
 45322,45545,224
 ID=NCLIV_012280 + 3 A..ATG
 50024,50193,170,END:Starts:49098-49089-
 50655,50785,131,EXACT,AG-GT
 51350,51612,263,START:Ends:51908-52038-54787-
 ID=NCLIV_012290 + 9 [CT]..ATG[ACT]
 54927,55197,271,END:EXACT
 55454,55616,163,START: end -7 Info:AG-GT-AG-GC-donor=AG-
 55878,56098,221,END: start 13 GT (ref:AG-GT)<< Possible error
 56809,56940,132,EXACT,AG-GT
 57244,57300,57,EXACT,AG-GT
 57908,58042,135,EXACT,AG-GT
 58483,58828,346,EXACT,AG-GT
 58930,58994,65,EXACT,AG-GT
 59495,59592,98,START:Ends:61264-61185-61098-
 ID=NCLIV_012310 + 3 A..ATG
 68719,69319,601,END:Starts:67949-66501-
 69667,69923,257,EXACT,AG-GT
 71117,71914,798
 ID=NCLIV_012330 + 4 A..ATG
 78382,78712,331
 78815,79295,481
 79359,80012,654,END: start -472 GT
 80552,80942,391,START:Ends:81808-81819-
 ID=NCLIV_012350 + 9 G..ATGG
 93637,93939,303,END:EXACT
 94184,94284,101,EXACT,AG-GT
 94899,94927,29
 95685,95778,94
 96464,96551,88,EXACT,GT
 97227,97288,62,EXACT,AG-GT
 97747,97837,91,EXACT,AG-GT
 98474,99070,597,START: end 938 AG
 99431,99493,63,OVER:Ends:100008-101133-99070-
 ID=NCLIV_012390 + 1 A..ATG
 121950,123797,1848
 ID=NCLIV_012410 + 5 A..ATG
 133312,133348,37
 133620,133777,158
 133973,134052,80
 134184,134363,180
 134782,134962,181

ID=NCLIV_012420 + 13 G..ATGG
 138998,139206,209
 139929,140146,218
 140582,140809,228
 141221,141473,253
 141805,142400,596
 142936,143681,746
 144219,144627,409
 144923,146724,1802
 147092,147388,297
 147890,148043,154
 148322,148567,246
 148911,150218,1308
 150674,150855,182
 ID=NCLIV_012440 + 6 A..ATG
 165459,165528,70,END:Starts:163257-163168-
 165852,165962,111,EXACT,AG
 166330,166444,115,EXACT,AG
 166788,166917,130
 167462,167843,382
 168112,168266,155
 ID=NCLIV_012460 + 10 A..ATG
 178067,178094,28
 178815,179876,1062
 180263,181143,881
 181698,181849,152
 182291,185184,2894
 187829,189189,1361
 189636,189713,78
 190203,190697,495
 191129,191680,552,EXACT,GT
 192115,192255,141,START:Ends:192515-192141-
 ID=NCLIV_012470 + 13 GACATGC
 195052,195074,23,OVER:Starts:194030-194195-194525-
 195807,196167,361,END: start -1612 GT (ref:AG-GT)<< Possible error
 196736,197062,327,EXACT,AG-GT
 197513,198261,749,EXACT,AG-GT
 198621,198685,65,EXACT,AG-GT
 198949,199679,731,EXACT,AG-GT
 200082,200243,162,START: end 430 GT
 200511,200673,163,END: start -429 GT
 201132,201249,118,EXACT,AG-GT
 201399,201486,88,EXACT,AG-GT
 202044,202209,166,EXACT,AG-GT
 203124,203967,844,OVER: start -255 and end 518 AG
 204042,204111,70,OVER:Ends:204655-202948-204485-
 ID=NCLIV_012480 + 1 GAGATGT
 207584,211126,3543
 ID=NCLIV_012500 + 4 A..ATG
 219678,219835,158,END:Starts:217616-217628-217433-
 220342,220399,58,EXACT,AG-GT
 220847,221008,162,EXACT,AG-GT
 221619,222068,450,START:Ends:224373-224576-223546-
 ID=NCLIV_012520 + 12 A..ATG
 230072,230586,515,END:Starts:229809-229863-
 231115,231146,32
 232228,232431,204,START: end 155 AG
 233167,233276,110,END: start -334 GT (ref:AG-GT)<< Possible error
 233815,233910,96,EXACT,AG-GT
 234447,234624,178,END: start -93 AG-GT (ref:AG-GT)<< Possible error

235000,235225,226,EXACT,TAG|TGA|TAA:AG-GT
 235922,236230,309,EXACT,AG-GT
 237005,237097,93,EXACT,AG-GT
 237505,237631,127,EXACT,AG-GT
 238147,238251,105,EXACT,AG-GT
 238785,239057,273,START:EXACT
 ID=NCLIV_012590 + 1 G..ATGG
 282947,283831,885
 ID=NCLIV_012600 + 6 A..ATG
 287179,287189,11,END:Starts:286632-286636-286666-
 288127,288270,144,START: end -3 AG
 288762,288890,129,END: start -1 GT (ref:AG-GT)<< Possible error
 289083,289179,97,EXACT,AG-GT
 289639,289862,224,EXACT,AG-GT
 290228,290357,130,START:Ends:290977-290970-290883-
 ID=NCLIV_012610 + 1 [CT]..ATG[ACT]
 293561,295384,1824
 ID=NCLIV_012620 + 7 A..ATG
 298969,303114,4146,END:Starts:297914-297874-298074-
 303915,306189,2275,EXACT,AG-GT
 306621,307574,954,EXACT,AG-GT
 307887,308192,306,EXACT,AG-GT
 308566,308642,77,EXACT,ATG:AG-GT
 309176,309362,187,EXACT,AG-GT
 309790,310730,941,START:Ends:311810-313974-
 ID=NCLIV_012630 + 6 A..ATG
 322512,323166,655
 324056,324222,167
 324561,324927,367
 325408,325565,158
 325872,325955,84
 326542,326595,54
 ID=NCLIV_012650 + 1 A..ATG
 336631,341832,5202
 ID=NCLIV_012660 + 4 A..ATG
 344732,345420,689,END:Starts:342182-343422-342645-
 345638,345771,134,EXACT,AG-GT
 346189,347090,902,EXACT,AG-GT
 347712,348257,546,START:Ends:351335-351483-352661-
 ID=NCLIV_012680 + 10 GCAATGA
 367750,367977,228
 368797,369223,427,END: start 254 GT
 369735,369933,199,EXACT,AG
 370353,371618,1266
 371838,372141,304
 372397,376045,3649
 376295,376731,437
 377282,378202,921,END: start 577 GT
 378848,383127,4280,START: end -3830 AG
 383437,385549,2113
 ID=NCLIV_012720 + 4 CACATGG
 434928,435244,317
 435914,436074,161
 436390,437609,1220
 438194,440122,1929
 ID=NCLIV_012740 + 4 GGCATGC
 454481,454782,302
 455425,455890,466
 456095,456541,447
 457401,457874,474

ID=NCLIV_012760 + 2 [CT]..ATG[ACT]
470308,471957,1650
472384,472389,6

ID=NCLIV_012770 + 10 A..ATG
476204,476897,694,END:Starts:475261-475225-
477201,477355,155,START: end 1167 AG-GT
477674,478522,849,EXACT,AG-GT
478891,485186,6296,EXACT,AG-GT
485758,486189,432,EXACT,AG-GT
486442,486608,167,EXACT,Info:donor=TG-Stop Codon:AG-GT-TAG|TGA|TAA:AG-GT-
487128,487294,167
487644,487733,90
488502,488737,236,EXACT,GT
488883,490701,1819,START:Ends:491381-494992-491335-

ID=NCLIV_012790 + 3 [CT]..ATG[ACT]
499358,500299,942,OVER:Starts:501028-498988-
501028,501113,86,END: start -2040 GT
501535,501757,223,START:Ends:501880-502576-

ID=NCLIV_012800 + 4 A..ATG
505938,506144,207,END:Starts:504936-504700-
506640,506891,252,EXACT,AG-GT
507639,507917,279,EXACT,AG-GT
508454,509848,1395,START:Ends:509931-511493-512526-

ID=NCLIV_012810 + 8 G..ATGG
512926,513519,594,END:EXACT
513893,513979,87,EXACT,AG-GT
514360,514405,46,EXACT,AG-GT
514942,515150,209,EXACT,AG-GT
515663,515738,76,EXACT,AG-GT
516003,516062,60,EXACT,AG-GT
516723,516784,62,EXACT,AG-GT
517200,517343,144,START:Ends:520262-519358-519461-

ID=NCLIV_012870 + 7 G..ATGG
572259,572570,312,END:Starts:570759-570817-570820-
572836,573792,957,EXACT,AG-GT
574393,574611,219,EXACT,AG-GT
574950,575484,535,EXACT,AG-GT
575793,576953,1161,EXACT,AG-GT
577413,578199,787,EXACT,AG-GT
578626,579082,457,START:Ends:579414-579474-579491-

ID=NCLIV_012880 + 11 A..ATG
582393,583360,968
583744,583846,103
584238,584386,149
584892,585309,418
585668,585735,68
587026,587162,137
587466,590065,2600
590712,591179,468
591330,592807,1478
593404,594367,964
594911,595468,558

ID=NCLIV_012900 + 3 A..ATG
631099,631881,783,END:Starts:630469-630504-630419-
632123,632442,320,START: end 191 AG-GT
633162,633426,265,START:Ends:634302-633205-

ID=NCLIV_012905 + 1 [CT]..ATG[ACT]
635698,638925,3228

ID=NCLIV_012910 + 14 [CT]..ATG[ACT]
642824,642931,108,END:Starts:641073-641274-

643425,644268,844,EXACT,AG-GT
 645046,645119,74,EXACT,AG-GT
 645560,646036,477,EXACT,AG-GT
 646686,647348,663,EXACT,AG-GT
 647836,652585,4750,EXACT,AG-GT
 652983,655951,2969,EXACT,AG-GT
 656222,656287,66,EXACT,AG-GT
 656953,657324,372,START: end -219 AG-GT (ref:AG-GT)<< Possible error
 657767,658949,1183,EXACT,AG-GT
 659503,659618,116,EXACT,AG-GT
 659836,660002,167,EXACT,AG-GT
 660382,660516,135,EXACT,AG-GT
 661225,661414,190,START:Ends:661792-662379-662399-
 ID=NCLIV_012930 + 4 G..ATGG
 669777,669871,95,END:Starts:668395-668287-
 670097,670547,451,START: end -170 Info:AG-GT-AG-GC-
 671120,671187,68
 673674,673695,22
 ID=NCLIV_012940 + 1 A..ATG
 674657,690625,15969
 ID=NCLIV_012950 + 8 A..ATG
 695796,696416,621
 696975,697020,46
 697210,698228,1019
 698695,698862,168,END: start 51 GT (ref:AG-GT)<< Possible error
 699263,699833,571,START: end 314 AG
 700378,701072,695
 701417,701535,119
 701767,701971,205
 ID=NCLIV_012970 + 4 GAGATGA
 710394,711041,648,END:Starts:710270-710281-710254-
 711234,711368,135,EXACT,AG-GT
 712090,712325,236,EXACT,AG-GT
 712995,713208,214,START:Ends:713915-713933-
 ID=NCLIV_012980 + 5 A..ATG
 716114,717017,904
 717208,717346,139
 717394,718057,664
 718356,719096,741
 719123,719326,204
 ID=NCLIV_013020 + 4 GCAATGT
 759931,760263,333,END:EXACT
 760733,760818,86,EXACT,AG-GT
 760995,761052,58,EXACT,AG-GT
 761151,761270,120,START:Ends:761882-761216-
 ID=NCLIV_013040 + 6 A..ATG
 764470,764715,246
 765846,765920,75
 766351,766440,90
 766672,766740,69
 766892,766933,42
 767212,767325,114
 ID=NCLIV_0130+ 4 G..ATGG
 780569,780633,65,END:Starts:779498-779824-
 781781,781943,163,EXACT,AG-GT
 782538,782618,81,EXACT,AG-GT
 783552,783689,138,START:Ends:785076-785441-
 ID=NCLIV_013070 + 6 GGAATGA
 786827,786970,144,END:Starts:786161-786220-786250-
 787331,787572,242,EXACT,AG-GT

788022,788174,153,EXACT,AG-GT
788581,788665,85,EXACT,AG-GT
789253,789374,122,EXACT,AG-GT
790074,790599,526,START:Ends:791077-791645-791035-
ID=NCLIV_013110 + 11 A..ATG
815399,816224,826,END:Starts:815932-814348-812542-
816692,817275,584,END: start 399 AG-GT (ref:AG-GT)<< Possible error
817797,818024,228,EXACT,AG-GT
818516,819068,553,EXACT,AG-GT
819493,819699,207,EXACT,AG-GT
820229,820327,99,EXACT,AG-GT
820918,820993,76,START: end 153 AG
821415,821555,141
822112,822220,109,END: start -2 GT (ref:AG-GT)<< Possible error
822783,822911,129,EXACT,ATG:AG-GT
823255,823389,135,START:Ends:823894-823994-823855-
ID=NCLIV_013120 + 16 A..ATG
826073,826186,114
826576,826639,64
827021,827077,57
827882,827958,77
828508,828590,83
829277,829458,182
829852,829942,91
830298,830328,31
830839,830876,38
831186,831229,44
832102,832139,38
832341,832476,136
833168,833221,54
833675,833753,79
834371,834407,37,EXACT,GT
834699,834785,87,START:Ends:834964-835212-
ID=NCLIV_013150 + 2 G..ATGG
860544,861307,764,END:Starts:859673-859481-
861740,861968,229,START:Ends:862471-862766-
ID=NCLIV_013160 + 8 A..ATG
865769,867973,2205
868395,868572,178
869059,871941,2883,EXACT,GT
872421,872482,62,EXACT,AG-GT
872927,873028,102,START: end -3 AG
873267,873385,119,END: start 5 GT (ref:AG-GT)<< Possible error
873911,873955,45,START: end 690 AG
874490,874619,130,OVER:Ends:874671-874645-874622-
ID=NCLIV_013170 + 9 A..ATG
880502,880606,105,END:Starts:878335-878334-
880912,881277,366,EXACT,AG-GT
881665,881903,239,EXACT,AG-GT
882484,883062,579,EXACT,AG-GT
883565,890458,6894,START: end 713 AG-GT
890860,891171,312,START: end 752 AG-GT
891491,891923,433,START: end 1003 AG-GT
892387,892926,540,END: start 171 AG-GT
893385,893450,66,START:EXACT
ID=NCLIV_013190 + 6 A..ATG
905218,905394,177
906085,906312,228
906681,906836,156
906993,907050,58

907762,907832,71
 908376,908474,99
 ID=NCLIV_013210 + 15 A..ATG
 922403,922579,177
 923271,923498,228
 923875,924030,156
 924187,924244,58
 924950,925020,71
 925564,925653,90
 925842,925921,80
 926341,926427,87
 926728,926882,155
 927504,927773,270
 928168,928268,101
 928557,928718,162
 929011,929118,108
 929330,929482,153
 929985,930104,120
 ID=NCLIV_013230 + 6 [CT]..ATG[ACT]
 934239,934259,21,OVER:Starts:934332-934015-
 936097,936209,113,EXACT,AG-GT
 936632,936669,38,START: end 81 AG-GT
 937429,937798,370,EXACT,AG-GT
 938171,938456,286,EXACT,AG-GT
 939153,939161,9,START:Ends:939630-939624-
 ID=NCLIV_013280 + 5 A..ATG
 973515,977206,3692,END:Starts:976599-977137-
 977619,978083,465,EXACT,GT
 978655,986563,7909,START: end 900 Code:INTERNAL-
 986924,987463,540,END: start -8269 Code:INTERNAL-
 987804,990512,2709,START:Ends:987948-990662-
 ID=NCLIV_013300 + 7 GGGATGA
 1004515,1004675,161,END:EXACT
 1004995,1005064,70,EXACT,AG-GT
 1005636,1005812,177,EXACT,AG
 1007350,1008025,676,START: end 1089 GT
 1008497,1012773,4277,END: start 857 AG-GT (ref:AG-GT)<< Possible error
 1013079,1013248,170,END: start 57 AG-GT (ref:AG-GT)<< Possible error
 1013714,1013747,34
 ID=NCLIV_013350 + 2 GCAATGC
 1044456,1047648,3193,END:Starts:1047139-1047242-
 1047788,1049094,1307,START:Ends:1048027-1049142-
 ID=NCLIV_013360 + 12 A..ATG
 1052290,1052299,10,END:Starts:1051658-1051672-1051619-
 1052700,1052770,71,EXACT,AG-GT
 1052989,1053143,155,EXACT,ATG:AG-GT
 1053609,1056765,3157,EXACT,AG-GT
 1057822,1058892,1071,EXACT,AG-GT
 1059406,1059526,121,EXACT,AG-GT
 1060013,1061484,1472,EXACT,AG-GT
 1061805,1062170,366,EXACT,AG-GT
 1062809,1062925,117,EXACT,AG-GT
 1063381,1063473,93,EXACT,AG-GT
 1063932,1064000,69,EXACT,AG-GT
 1064395,1064829,435,START:Ends:1065318-1065295-1064446-
 ID=NCLIV_013370 + 5 A..ATG
 1068607,1069480,874,END:Starts:1066924-1066907-1067080-
 1070006,1070233,228,EXACT,AG-GT
 1070834,1070953,120,EXACT,AG-GT
 1071349,1071423,75,EXACT,AG-GT

1071964,1072148,185,START:Ends:1073851-1074083-
ID=NCLIV_013380 + 3 A..ATG
1076276,1076284,9,END:Starts:1075666-1075657-1075684-
1077419,1077506,88,START: end 4 AG
1077875,1078041,167,OVER:Ends:1080401-1080799-
ID=NCLIV_013400 + 9 [CT]..ATG[ACT]
1095773,1095806,34
1096113,1096193,81,EXACT,AG-GT
1096716,1096778,63,EXACT,AG-GT
1097655,1097783,129,EXACT,AG-GT
1098870,1098936,67,START: end 497 AG-GT (ref:AG-GT)<< Possible error
1099039,1099433,395,END: start -169 AG-GT (ref:AG-GT)<< Possible error
1099979,1100059,81,EXACT,AG-GT
1100658,1100711,54,EXACT,AG-GT
1101729,1102141,413,START:Ends:1104295-1103401-1101775-
ID=NCLIV_013420 + 2 A..ATG
1119062,1119292,231,END:EXACT
1119869,1120015,147,START:Ends:1120821-1121128-1120957-
ID=NCLIV_013430 + 1 A..ATG
1122313,1124862,2550
ID=NCLIV_013440 + 7 CAGATGG
1126900,1127293,394,END:Starts:1125864-1125859-
1127886,1127950,65
1128445,1128719,275
1129209,1129390,182
1129661,1130552,892,END: start 1 GT
1130803,1130965,163,EXACT,AG-GT
1131199,1131249,51,START:EXACT
ID=NCLIV_013470 + 14 A..ATG
1151692,1152041,350,END:Starts:1150915-1150875-1151057-
1152434,1152797,364,EXACT,AG-GT
1153450,1153619,170,EXACT,AG-GT
1154359,1154429,71,EXACT,AG-GT
1155450,1155742,293,START: end -17 AG
1156199,1156375,177,END: start -2 GT (ref:AG-GT)<< Possible error
1157247,1157453,207,START: end 471 AG-GT (ref:AG-GT)<< Possible error
1157831,1157924,94,END: start -584 AG-GT (ref:AG-GT)<< Possible error
1158197,1158280,84,EXACT,AG-GT
1158661,1158767,107,EXACT,AG-GT
1158989,1159246,258,EXACT,AG-GT
1159755,1159811,57,EXACT,AG-GT
1160269,1160355,87,EXACT,AG-GT
1160968,1161108,141,START:Ends:1161454-1161493-1161476-
ID=NCLIV_013530 + 17 A..ATG
1200902,1201025,124
1201282,1201364,83
1201820,1202879,1060
1204139,1204406,268
1205004,1205173,170,EXACT,AG-GT
1205787,1206123,337,EXACT,AG-GT
1206589,1206694,106,EXACT,AG-GT
1206997,1207375,379,EXACT,AG-GT
1207843,1208046,204,EXACT,AG-GT
1208536,1208639,104,END: start -219 AG-GT
1209262,1209691,430,EXACT,AG
1209825,1210102,278,EXACT,AG-GT
1210609,1210695,87,EXACT,AG-GT
1211000,1211102,103,EXACT,AG-GT
1211374,1211652,279,START: end 607 AG-GT
1212201,1212259,59,EXACT,AG-GT

1212572,1212700,129,START:Ends:1213021-1213034-1213025-
ID=NCLIV_013560 + 1 A..ATG
1226404,1229013,2610
ID=NCLIV_013590 + 1 A..ATG
1251054,1251506,453
ID=NCLIV_013600 + 5 A..ATG
1252559,1252586,28
1253937,1254067,131
1254762,1254875,114
1255757,1255847,91
1257221,1257363,143
ID=NCLIV_013630 + 1 [CT]..ATG[ACT]
1269203,1270003,801
ID=NCLIV_013640 + 9 A..ATG
1273824,1274150,327,END:Starts:1273098-1273116-
1274743,1275144,402,EXACT,AG-GT
1275747,1275904,158,EXACT,AG-GT
1276840,1277035,196,EXACT,AG-GT
1277555,1277736,182,EXACT,AG-GT
1278249,1278312,64,START: end 824 AG-GT (ref:AG-GT)<< Possible error
1278923,1279136,214,END: start -674 AG-GT (ref:AG-GT)<< Possible error
1279773,1280640,868,EXACT,AG-GT
1281096,1281561,466,START:Ends:1282110-1282126-1282160-
ID=NCLIV_013670 + 4 A..ATG
1294150,1294495,346,END:Starts:1293434-1293435-1293223-
1294973,1295250,278,EXACT,AG-GT
1295849,1296169,321,START: end -21 AG
1296678,1296956,279
ID=NCLIV_013690 + 7 A..ATG
1312128,1312259,132,END:Starts:1311424-1311540-
1312805,1313116,312,EXACT,AG-GT
1313596,1313700,105,EXACT,AG
1314676,1314969,294,END: start -32 GT
1315292,1315387,96,EXACT,AG-GT
1315956,1316059,104,EXACT,AG-GT
1316396,1317011,616,START:Ends:1317193-1317288-1320983-
ID=NCLIV_013720 + 4 A..ATG
1329798,1330075,278,END:EXACT
1330523,1330731,209,EXACT,AG-GT
1331455,1331597,143,EXACT,AG-GT
1332351,1332602,252,START:EXACT
ID=NCLIV_013730 + 2 A..ATG
1345295,1345427,133
1345537,1346774,1238
ID=NCLIV_013770 + 5 G..ATGG
1370136,1370515,380,END:Starts:1369942-1367447-1367386-
1371748,1371796,49,EXACT,AG-GT
1372427,1372923,497,EXACT,AG-GT
1373475,1373570,96,EXACT,AG-GT
1373718,1374018,301,START:Ends:1375222-1375282-1375354-
ID=NCLIV_013790 + 11 A..ATG
1386876,1387211,336,END:Starts:1385756-1385299-
1387489,1387719,231,EXACT,AG-GT
1387940,1388055,116,EXACT,AG-GT
1388501,1388787,287,START: end 132 AG
1389689,1389794,106,END: start -104 GT
1390254,1390624,371,START: end 172 AG
1391169,1391591,423,END: start -85 GT (ref:AG-GT)<< Possible error
1391857,1391983,127,EXACT,AG-GT
1392505,1392631,127,EXACT,GT

1393129,1395172,2044,EXACT,AG-GT
 1395591,1397701,2111,START:Ends:1398156-1395892-
 ID=NCLIV_013840 + 11 A..ATG
 1471401,1471984,584,END:Starts:1470548-1470323-1470327-
 1472331,1472565,235,EXACT,AG-GT
 1472820,1472946,127,EXACT,AG-GT
 1473313,1473435,123,END: start -105 AG-GT (ref:AG-GT)<< Possible error
 1473664,1473797,134,EXACT,AG-GT
 1474283,1474490,208,EXACT,AG-GT
 1474757,1474854,98,EXACT,AG-GT
 1475196,1475268,73,EXACT,AG-GT
 1475720,1475843,124,EXACT,AG-GT
 1476192,1476774,583,END: start 3 AG-GT (ref:AG-GT)<< Possible error
 1476937,1477026,90,START:Ends:1477418-1477419-1477440-
 ID=NCLIV_013860 + 8 GCGATGC
 1486541,1486781,241,END:Starts:1484803-1484758-1485556-
 1487198,1487903,706,EXACT,AG-GT
 1488550,1489228,679,EXACT,AG-GT
 1489603,1489823,221,EXACT,AG-GT
 1490182,1490317,136,EXACT,AG-GT
 1490743,1490830,88,EXACT,AG-GT
 1491132,1491251,120,EXACT,AG-GT
 1492133,1492281,149
 ID=NCLIV_013870 + 7 A..ATG
 1495796,1496029,234,END:EXACT
 1496863,1496922,60,EXACT,AG-GT
 1497824,1497916,93,END: start -2 GT (ref:AG-GT)<< Possible error
 1498216,1498290,75,EXACT,AG-GT
 1498576,1498628,53,EXACT,AG-GT
 1499050,1499134,85,EXACT,AG-GT
 1499381,1499617,237,START:Ends:1500123-1500148-1500201-
 ID=NCLIV_013890 + 1 A..ATG
 1510834,1511304,471,OVER:Starts:1510457-1510368-
 ID=NCLIV_013910 + 10 A..ATG
 1517759,1517839,81,END:Starts:1516674-1516579-1517052-
 1518325,1518478,154,EXACT,AG-GT
 1519113,1519351,239,EXACT,AG-GT
 1519661,1519824,164,EXACT,AG-GT
 1520510,1520671,162,EXACT,AG-GT
 1521215,1521368,154,EXACT,AG-GT
 1521716,1521871,156,EXACT,AG-GT
 1522441,1522584,144,EXACT,AG-GT
 1523431,1523601,171,EXACT,AG-GT
 1524041,1524130,90,START:EXACT
 ID=NCLIV_013920 + 1 A..ATG
 1527995,1530286,2292
 ID=NCLIV_013940 + 1 A..ATG
 1540341,1541168,828
 ID=NCLIV_013970 + 1 [CT]..ATG[ACT]
 1557327,1558271,945
 ID=NCLIV_013990 + 1 G..ATGG
 1566582,1568702,2121
 ID=NCLIV_014020 + 1 A..ATG
 1581678,1582481,804
 ID=NCLIV_014050 + 4 [CT]..ATG[ACT]
 1600341,1601018,678,END:EXACT
 1601153,1601254,102,EXACT,AG-GT
 1601389,1601483,95
 1601580,1601616,37,START:Ends:1602989-1602899-
 ID=NCLIV_014070 + 3 A..ATG

1613162,1613249,88,END:EXACT
 1613795,1613866,72,START: end 3 AG
 1614470,1614609,140
 ID=NCLIV_014080 + 1 A..ATG
 1617088,1618194,1107
 ID=NCLIV_014090 + 1 [CT]..ATG[ACT]
 1619478,1620101,624
 ID=NCLIV_014100 + 3 A..ATG
 1620651,1620900,250,END:Starts:1616728-1620343-1620347-
 1621405,1621672,268,EXACT,AG-GT
 1622199,1622334,136,START:Ends:1622721-1622915-1622996-
 ID=NCLIV_014120 + 3 A..ATG
 1637789,1638098,310
 1638555,1639736,1182
 1640013,1640443,431
 ID=NCLIV_014130 + 3 A..ATG
 1643633,1644855,1223
 1645207,1645262,56
 1645530,1645888,359
 ID=NCLIV_014140 + 6 TCTATGG
 1648486,1648530,45,OVER:Starts:1648234-1648235-
 1648552,1648767,216,OVER: start -317 and end 1880 GT
 1648828,1649078,251,OVER: start -593 and end 1569 GT
 1649510,1649696,187,OVER: start -1275 and end 951 GT
 1649808,1650647,840,END: start -1573 GT
 1650795,1651535,741,START:Ends:1651985-1653019-
 ID=NCLIV_014150 + 1 A..ATG
 1655628,1656020,393
 ID=NCLIV_014170 + 2 A..ATG
 1662535,1662639,105,END:Starts:1660067-1660064-
 1662967,1663689,723,START:EXACT
 ID=NCLIV_014210 + 7 [CT]..ATG[ACT]
 1706842,1707034,193,END:EXACT
 1707354,1707563,210,EXACT,AG-GT
 1708044,1708113,70,EXACT,AG-GT
 1708680,1708921,242,START: end 582 TAG|TGA|TAA:AG-GT (ref:AG-GT)<< Possible error
 1709309,1709503,195,END: start -629 TAG|TGA|TAA:AG-GT (ref:AG-GT)<< Possible error
 1709808,1709863,56,EXACT,AG-GT
 1710203,1710307,105,START:Ends:1711599-1712277-1710829-
 ID=NCLIV_014230 + 3 A..ATG
 1718100,1719071,972,END:EXACT
 1719351,1719965,615,EXACT,AG-GT
 1720587,1720940,354,START:Ends:1722113-1722115-1722121-
 ID=NCLIV_014250 + 3 [CT]..ATG[ACT]
 1745878,1746094,217,END:EXACT
 1746252,1746410,159,START: end 365 AG
 1746518,1746558,41,OVER:EXACT
 ID=NCLIV_014270 + 1 A..ATG
 1757452,1761657,4206
 ID=NCLIV_014290 + 5 GCCATGT
 1771799,1777201,5403,WITHIN:Starts:1770715-1775805-1774025-
 1777572,1777673,102
 1777845,1777920,76,EXACT,AG-GT
 1778307,1778388,82,END: start -4 AG-GT
 1778706,1781049,2344,OVER:Ends:1781639-1781801-
 ID=NCLIV_014310 + 9 A..ATG
 1790071,1790808,738,END:Starts:1789980-1789031-
 1791301,1791384,84,EXACT,AG
 1792094,1792464,371
 1792936,1793195,260

1793548,1793653,106
1793926,1793969,44
1794404,1794451,48,END: start 5 GT
1794806,1794878,73,EXACT,AG-GT
1795295,1795340,46,START:Ends:1795585-1795546-
ID=NCLIV_014340 + 14 A..ATG
1814390,1814577,188
1815401,1815614,214
1815771,1816698,928
1817131,1817223,93
1817932,1818035,104
1818625,1818773,149
1819165,1819354,190
1819961,1820034,74
1820725,1820923,199
1821525,1821625,101
1823321,1823412,92
1823969,1824039,71
1824277,1824417,141
1824959,1825084,126
ID=NCLIV_014350 + 2 [CT]..ATG[ACT]
1827005,1827101,97,END:EXACT
1827306,1827553,248,START:Ends:1828055-1827930-1827918-
ID=NCLIV_014360 + 13 A..ATG
1832501,1833472,972
1834125,1834439,315,EXACT,AG-GT
1835164,1835268,105,START: end 1 AG
1835880,1835968,89,END: start -1 GT
1836635,1836722,88,EXACT,AG-GT
1837110,1837268,159,EXACT,AG-GT
1837435,1837725,291,EXACT,AG-GT
1838599,1838918,320,EXACT,AG-GT
1839386,1839688,303,EXACT,AG-GT
1840074,1840190,117,EXACT,AG-GT
1840682,1840789,108,EXACT,AG-GT
1841090,1841249,160,EXACT,AG-GT
1841735,1841821,87,START:Ends:1842564-1842619-1845179-
ID=NCLIV_014380 + 6 A..ATG
1847177,1847531,355
1848248,1848398,151
1849044,1849215,172
1849562,1849655,94
1850012,1850103,92
1850331,1850510,180
ID=NCLIV_014400 + 3 A..ATG
1862311,1862485,175,END:Starts:1860782-1860464-
1862983,1863077,95,EXACT,AG-GT
1863454,1870110,6657,START:Ends:1863815-1870352-
ID=NCLIV_014420 + 9 CAGATGG
1877854,1878339,486
1878462,1878604,143
1879013,1879109,97
1879505,1879900,396
1880507,1880646,140
1881347,1881498,152
1882052,1882345,294
1882786,1882842,57
1883160,1883344,185
ID=NCLIV_014430 + 2 A..ATG
1886340,1887776,1437,END:Starts:1886470-1885443-1885569-

1888090,1888869,780,START:Ends:1889589-1889470-1889451-
 ID=NCLIV_014440 + 19 GGAATGT
 1891780,1892977,1198,END:EXACT
 1893404,1893446,43,EXACT,AG-GT
 1894151,1894322,172
 1894379,1894495,117,EXACT,AG-GT
 1895153,1895425,273,EXACT,AG-GT
 1895979,1896051,73,START: end 506 AG
 1896692,1896795,104,END: start -4 GT
 1897390,1897436,47,EXACT,AG-GT
 1897684,1897759,76,START: end -6 AG
 1898418,1898475,58
 1899068,1899150,83,EXACT,AG-GT
 1899591,1899776,186,EXACT,AG-GT
 1900173,1900253,81,WITHIN: start 53 and end -1 AG
 1901315,1901434,120,EXACT,AG-GT
 1901740,1901874,135,EXACT,AG-GT
 1902165,1902352,188,EXACT,AG-GT
 1902849,1902931,83,EXACT,AG-GT
 1903452,1903643,192,EXACT,AG-GT
 1904049,1904422,374,START:Ends:1905205-1905182-1905203-
 ID=NCLIV_014460 + 14 GTCATGT
 1918523,1918858,336,END:Starts:1917149-1917159-1917301-
 1919213,1919341,129,EXACT,AG-GT
 1919961,1920137,177,END: start 24 GT
 1920477,1920590,114,EXACT,AG-GT
 1921023,1921280,258,EXACT,AG-GT
 1921925,1921989,65,EXACT,AG-GT
 1922333,1922384,52,EXACT,AG-GT
 1922605,1922772,168,EXACT,AG-GT
 1923192,1923365,174,EXACT,AG-GT
 1923734,1923968,235,EXACT,AG-GT
 1924309,1924518,210,EXACT,AG-GT
 1925160,1925412,253,EXACT,AG-GT
 1925640,1925781,142,EXACT,AG-GT
 1926439,1926558,120,START:Ends:1926901-1926945-1926802-
 ID=NCLIV_014470 + 9 A..ATG
 1929285,1930402,1118,END:Starts:1929047-1929057-1929065-
 1930549,1930807,259,EXACT,AG-GT
 1931006,1931083,78,EXACT,AG-GT
 1931446,1931536,91,EXACT,AG-GT
 1932178,1932303,126,END: start 8 GT (ref:AG-GT)<< Possible error
 1932619,1932904,286,EXACT,AG-GT
 1933378,1933502,125,EXACT,AG-GT
 1933883,1934039,157,EXACT,AG-GT
 1934427,1934652,226,START:Ends:1935641-1936162-1935703-
 ID=NCLIV_014490 + 5 A..ATG
 1947899,1948051,153,END:Starts:1947379-1947391-1947419-
 1948314,1948433,120,EXACT,AG-GT
 1948638,1948781,144,EXACT,AG-GT
 1948969,1949048,80,EXACT,AG-GT
 1949164,1949356,193,START:Ends:1949799-1949344-
 ID=NCLIV_014500 + 3 CCAATGG
 1950195,1950592,398
 1950644,1951136,493
 1951309,1951551,243
 ID=NCLIV_014510 + 5 G..ATGG
 1954241,1958683,4443,END:Starts:1952498-1953050-
 1959105,1960849,1745,EXACT,AG-GT
 1961448,1962694,1247,EXACT,AG-GT

1962841,1963279,439,EXACT,AG-GT
 1963835,1967168,3334
 ID=NCLIV_014550 + 4 A..ATG
 1981864,1982455,592,END:Starts:1981387-1981499-1981597-
 1983153,1983309,157,EXACT,AG-GT
 1983907,1984009,103,EXACT,AG-GT
 1984642,1985406,765,START:Ends:1986439-1986488-1986492-
 ID=NCLIV_014570 + 15 A..ATG
 2007454,2008459,1006
 2008927,2009033,107,EXACT,GT
 2009291,2009381,91,EXACT,AG-GT
 2009731,2009860,130,EXACT,AG-GT
 2010462,2010612,151,EXACT,AG-GT
 2011279,2011446,168,START: end -29 AG
 2012035,2012104,70,END: start 30 GT
 2012530,2012876,347,START: end 3 AG
 2013554,2013851,298,END: start 11 GT
 2014423,2014814,392,EXACT,AG
 2015527,2015611,85
 2016344,2016660,317,END: start 1 GT (ref:AG-GT)<< Possible error
 2017249,2017481,233,EXACT,AG-GT
 2017877,2017943,67,EXACT,ATG:AG-GT
 2018567,2018725,159,START:Ends:2018982-2019049-2019050-
 ID=NCLIV_014590 + 3 G..ATGG
 2033079,2033213,135
 2033581,2033743,163
 2033993,2034285,293
 ID=NCLIV_014610 + 2 GAAATGC
 2050511,2050574,64
 2050938,2051857,920
 ID=NCLIV_014630 + 2 A..ATG
 2056555,2056815,261
 2057375,2058013,639
 ID=NCLIV_014640 + 14 A..ATG
 2062664,2062979,316,END:Starts:2060552-2060499-
 2063709,2063791,83,EXACT,AG-GT
 2064315,2064351,37,EXACT,AG-GT
 2064924,2064964,41,EXACT,AG-GT
 2065270,2065388,119,EXACT,AG-GT
 2065667,2065727,61,EXACT,ATG:AG-GT
 2066037,2066091,55,EXACT,AG-GT
 2066555,2066586,32,START: end -4 AG
 2066939,2067055,117,END: start 57 GT
 2067749,2067824,76,EXACT,AG-GT
 2068481,2068562,82,EXACT,AG-GT
 2068906,2069000,95,EXACT,AG-GT
 2069653,2069702,50,EXACT,Info:AG-GC-AG-GT-
 2070528,2070647,120,START:Starts:2070200-2070528-
 ID=NCLIV_014660 + 1 G..ATGG
 2077487,2078467,981
 ID=NCLIV_014690 + 2 A..ATG
 2092725,2093323,599,END:Starts:2091701-2091686-2091722-
 2094244,2094418,175,START:Ends:2095389-2097370-2096242-
 ID=NCLIV_014710 + 21 A..ATG
 2103532,2105029,1498,END:Starts:2102828-2102827-
 2105462,2105678,217,EXACT,AG-GT
 2106402,2106516,115,EXACT,AG-GT
 2106754,2106942,189,EXACT,AG
 2107219,2107452,234,EXACT,GT
 2107717,2107845,129,EXACT,AG-GT

2108327,2108449,123,EXACT,GT
 2108787,2108945,159,EXACT,AG-GT
 2109259,2109342,84,EXACT,ATG:AG-GT
 2110617,2110723,107,EXACT,AG-GT
 2111243,2111385,143,EXACT,AG-GT
 2111990,2112088,99,EXACT,AG-GT
 2112508,2112617,110,END: start -159 AG-GT (ref:AG-GT)<< Possible error
 2113310,2113549,240,EXACT,AG-GT
 2114077,2114214,138,EXACT,AG-GT
 2114829,2114903,75,EXACT,AG-GT
 2115594,2115704,111,EXACT,AG-GT
 2116213,2116314,102,EXACT,AG-GT
 2116796,2116858,63,EXACT,AG-GT
 2117165,2117215,51,EXACT,AG-GT
 2117582,2117695,114,START:Ends:2119707-2119594-
 ID=NCLIV_014730 + 8 G..ATGG
 2131592,2132587,996,END:Starts:2131429-2130833-
 2132858,2133196,339,START: end -41 AG
 2133815,2134186,372
 2134809,2134942,134
 2135284,2135425,142
 2135665,2135739,75
 2136172,2136844,673,EXACT,GT
 2137382,2138235,854,START:Ends:2138838-2139172-
 ID=NCLIV_014740 + 1 A..ATG
 2141652,2142965,1314
 ID=NCLIV_014750 + 7 GCCATGA
 2145912,2146891,980,END:Starts:2145307-2145420-2145465-
 2147233,2147380,148,EXACT,AG-GT
 2147686,2147794,109,EXACT,AG-GT
 2148199,2148287,89,EXACT,AG-GT
 2148903,2148983,81,EXACT,AG-GT
 2149293,2149351,59,EXACT,AG-GT
 2149683,2153109,3427,START:Ends:2153323-2155268-2155470-
 ID=NCLIV_014770 + 1 A..ATG
 2160573,2161154,582
 ID=NCLIV_014780 + 8 CGTATGG
 2163945,2164000,56
 2164545,2164665,121,EXACT,AG
 2165137,2165552,416,EXACT,GT
 2165965,2166377,413,START: end 60 AG
 2166678,2167205,528
 2167568,2167810,243
 2168608,2169908,1301,EXACT,GT
 2170430,2173240,2811,START:Ends:2173592-2171872-2173612-
 ID=NCLIV_014800 + 3 CCCATGG
 2182666,2183124,459
 2183731,2185547,1817
 2186068,2188069,2002
 ID=NCLIV_014880 + 2 [CT]..ATG[ACT]
 2250569,2250745,177
 2250765,2251067,303
 ID=NCLIV_014890 + 2 A..ATG
 2252806,2253088,283
 2253143,2253759,617
 ID=NCLIV_014920 + 7 G..ATGG
 2262849,2263389,541,END:Starts:2261990-2262011-2262894-
 2263934,2264091,158,EXACT,AG-GT
 2264422,2264482,61,EXACT,AG-GT
 2264889,2265014,126,EXACT,AG-GT

2265427,2265575,149,EXACT,AG-GT
 2266006,2266107,102,EXACT,AG-GT
 2266982,2267125,144,START:Ends:2268383-2268130-
 ID=NCLIV_014930 + 4 A..ATG
 2269802,2270247,446,OVER:Starts:2270691-2269616-
 2270691,2270920,230,OVER: start -1075 and end 775 GT
 2271614,2271695,82,END: start -1998 GT
 2272320,2272356,37
 ID=NCLIV_014940 + 4 GACATGT
 2276610,2276912,303,END:Starts:2275402-2274620-2274600-
 2277277,2277934,658,EXACT,AG-GT
 2278290,2278933,644,EXACT,AG-GT
 2279278,2280942,1665,START:Ends:2281653-2281880-2281875-
 ID=NCLIV_014970 + 11 A..ATG
 2300543,2301053,511,END:Starts:2299474-2300730-
 2301684,2301760,77,START: end -13 AG
 2302317,2302419,103,END: start -121 GT
 2303031,2303299,269,EXACT,AG-GT
 2303407,2304089,683,START: end -108 AG
 2304520,2304664,145
 2305022,2305210,189
 2305739,2305805,67,EXACT,GT
 2306641,2306773,133,EXACT,AG-GT
 2307135,2307207,73,EXACT,AG-GT
 2307863,2307979,117,START:Ends:2308277-2308318-
 ID=NCLIV_014980 + 12 CAGATGG
 2310684,2311749,1066,WITHIN:Starts:2311637-2310266-2311384-
 2312144,2312457,314,START: end -11 AG
 2312819,2313802,984
 2314058,2314427,370,END: start 20 GT
 2315049,2315189,141,START: end -64 Info:AG-GT-AG-GC-
 2315707,2315798,92,END: start 8 AG-GT
 2316120,2316188,69,EXACT,AG-GT
 2316548,2316634,87,EXACT,AG-GT
 2317003,2317148,146,EXACT,AG-GT
 2317860,2318016,157,START: end -125 AG-GT
 2318326,2318427,102,EXACT,AG-GT
 2319104,2319652,549,START:Ends:2320495-2320400-2320402-
 ID=NCLIV_015010 + 8 A..ATG
 2333671,2333760,90,END:Starts:2332729-2332747-2332746-
 2334100,2334199,100,START: end 675 AG-GT
 2334774,2334874,101,END: start -674 AG-GT
 2335147,2335240,94,EXACT,AG-GT
 2335543,2336117,575,EXACT,AG-GT
 2336555,2336746,192,EXACT,AG-GT
 2336976,2337090,115,EXACT,AG-GT
 2337497,2338176,680,START:Ends:2340035-2340531-2337781-
 ID=NCLIV_015040 + 4 GGAATGA
 2370956,2371086,131,END:EXACT
 2371309,2372455,1147,EXACT,AG-GT
 2372783,2372827,45,EXACT,AG-GT
 2373842,2374021,180,START:Ends:2374384-2374386-
 ID=NCLIV_015050 + 6 [CT]..ATG[ACT]
 2375141,2375330,190
 2375920,2376102,183
 2377228,2390383,13156,START: end 5926 Code:INTERNAL-
 2390438,2395078,4641,OVER: start -13210 and end 1231 Code:INTERNAL-
 2397094,2397334,241,OVER: start -290 and end 4168 AG
 2398088,2400763,2676,OVER:Ends:2401481-2401662-2401502-
 ID=NCLIV_015060 + 8 A..ATG

2405194,2405411,218,OVER:Starts:2403697-2403691-
 2405532,2406341,810,END: start -1841 GT
 2406696,2408371,1676,EXACT,ATG:AG-GT
 2408643,2409026,384,EXACT,AG-GT
 2409407,2409980,574,EXACT,AG-GT
 2410452,2411014,563,EXACT,AG-GT
 2411226,2411395,170,EXACT,AG-GT
 2411839,2412120,282,START:Ends:2413145-2413233-2413197-
 ID=NCLIV_015070 + 4 [CT]..ATG[ACT]
 2416164,2416292,129
 2416596,2416682,87
 2416792,2417103,312
 2417872,2418264,393
 ID=NCLIV_015075 + 2 A..ATG
 2423276,2423427,152
 2424124,2424319,196
 ID=NCLIV_015080 + 4 [CT]..ATG[ACT]
 2426582,2426678,97
 2427197,2427890,694
 2428208,2430653,2446
 2431398,2436662,5265
 ID=NCLIV_015100 + 9 A..ATG
 2442996,2443047,52
 2443465,2443530,66
 2444002,2444139,138
 2444613,2444736,124
 2445494,2448381,2888
 2449178,2449530,353
 2449973,2452182,2210
 2452959,2453724,766
 2454344,2454715,372
 ID=NCLIV_015120 + 21 A..ATG
 2469112,2469373,262
 2469962,2470078,117
 2471402,2471445,44
 2471968,2472210,243
 2472749,2472789,41
 2473419,2473570,152
 2474308,2474456,149
 2475390,2475464,75
 2476141,2476290,150
 2477205,2477391,187
 2477513,2477664,152
 2478098,2478203,106
 2478729,2478849,121,EXACT,GT
 2479524,2479707,184,EXACT,AG-GT
 2479914,2480045,132,EXACT,AG-GT
 2480512,2480562,51,EXACT,AG-GT
 2481117,2481294,178,EXACT,TAG|TGA|TAA:AG-GT
 2481942,2482099,158,EXACT,AG-GT
 2482547,2482644,98,EXACT,AG-GT
 2483007,2483199,193,EXACT,AG-GT
 2483474,2483485,12
 ID=NCLIV_015140 + 6 A..ATG
 2491193,2492328,1136,END:Starts:2491656-2491638-
 2492797,2492920,124,START: end -6 AG
 2493518,2493676,159,END: start 1 GT (ref:AG-GT)<< Possible error
 2494213,2494305,93,EXACT,AG-GT
 2494842,2495141,300,EXACT,AG-GT
 2495732,2495914,183,START:Ends:2497575-2497590-

ID=NCLIV_015160 + 3 A..ATG
2502958,2503003,46,END:Starts:2502755-2502774-2502771-
2504434,2504856,423,EXACT,AG-GT
2505321,2505424,104,START:Ends:2505764-2505722-2505715-

ID=NCLIV_015170 + 17 A..ATG
2508492,2508567,76
2508820,2508934,115
2509194,2509438,245
2509949,2510030,82
2510389,2510672,284
2511048,2511300,253
2511507,2511680,174
2511988,2512138,151
2512339,2512415,77
2513064,2513162,99
2514366,2514493,128
2515189,2515202,14
2515873,2515969,97
2516517,2517057,541
2517927,2518533,607
2518931,2519007,77
2519425,2519635,211

ID=NCLIV_015190 + 9 GAAATGC
2524735,2525917,1183,END:Starts:2524375-2524338-2525112-
2526696,2526819,124,EXACT,AG-GT
2527029,2527190,162,EXACT,AG-GT
2527464,2528032,569,EXACT,AG
2528537,2528761,225,EXACT,AG
2529485,2529681,197,EXACT,AG-GT
2530275,2530367,93,EXACT,AG-GT
2531035,2531174,140,EXACT,AG-GT
2531577,2531661,85,START:EXACT

ID=NCLIV_015200 + 5 A..ATG
2543756,2544154,399,END:Starts:2543510-2543542-2543523-
2544530,2544653,124,EXACT,AG-GT
2544959,2545092,134,EXACT,AG-GT
2545419,2545723,305,EXACT,AG-GT
2546113,2546746,634,START:Ends:2548033-2547433-2547482-

ID=NCLIV_015250 + 11 CAGATGG
2595005,2595233,229
2595338,2595456,119
2595837,2596895,1059
2597372,2597532,161
2598932,2599631,700
2599870,2600339,470
2600453,2600624,172
2601045,2601108,64
2601269,2601650,382
2602032,2602166,135
2602472,2605610,3139

ID=NCLIV_015260 + 8 A..ATG
2609212,2609916,705
2610139,2610344,206
2610821,2610878,58
2611175,2611564,390,END: start 317 GT
2612065,2612385,321,EXACT,AG-GT
2612673,2612848,176,START: end 1 AG
2613300,2613455,156
2614046,2614388,343,START:Ends:2614056-2614589-

ID=NCLIV_015280 + 4 A..ATG

2630763,2632779,2017,END:Starts:2630417-2630123-
2633031,2633064,34,EXACT,AG
2633732,2633807,76,END: start -1 GT (ref:AG-GT)<< Possible error
2634206,2634241,36,START:Ends:2634969-2635560-2634246-
ID=NCLIV_015300 + 6 A..ATG
2645169,2645921,753
2646090,2646529,440
2647199,2647349,151
2648114,2648188,75
2648442,2648509,68,END: start 9 GT
2648969,2649098,130,START:Ends:2650027-2650146-
ID=NCLIV_015340 + 2 [CT]..ATG[ACT]
2691111,2691172,62
2691940,2692309,370
ID=NCLIV_015350 + 6 [CT]..ATG[ACT]
2694238,2694619,382,END:Starts:2693201-2693225-2693865-
2695502,2695581,80,EXACT,AG-GT
2696003,2696128,126,EXACT,AG-GT
2696442,2696642,201,EXACT,AG-GT
2696824,2696935,112,EXACT,AG-GT
2697530,2697789,260,START:EXACT
ID=NCLIV_015370 + 4 GGCATGT
2704519,2706456,1938,WITHIN:Starts:2702311-2705713-
2706735,2711381,4647
2712061,2713282,1222,WITHIN: start 133 and end -931 AG
2714448,2714614,167
ID=NCLIV_015390 + 3 G..ATGG
2721876,2722100,225
2722246,2722355,110
2722864,2722900,37

CHROMOSOME V – REVERSE

ID=NCLIV_012240 - 5 GCAATGA
16122,19084,2963
19468,20266,799
20624,23951,3328,END: start 2572 AG
24404,24794,391,START: end 19 GT
25269,25419,151
ID=NCLIV_012260 - 1 CCAATGG
33718,42534,8817
ID=NCLIV_012300 - 10 CAGATGG
61040,61183,144,END:Starts:59500-59509-
61374,61478,105,EXACT,AG-GT
61712,61975,264,START: end 145 GT
62398,62778,381,END: start 1 AG (ref:AC-GT)<< Possible error
63502,63588,87,EXACT,ATG:AG-GT
64161,64211,51,EXACT,AG-GT
64980,65056,77,START: end 1 GT
65536,65605,70
66264,66333,70
66590,66978,389,OVER:Starts:70927-66501-
ID=NCLIV_012320 - 6 GCCATGT
73893,73962,70,END:Starts:70927-66501-
74388,74490,103,EXACT,AG-GT
74823,74882,60,EXACT,AG-GT
75292,75389,98,EXACT,AG-GT
75607,76255,649,EXACT,GT
76677,77292,616
ID=NCLIV_012340 - 6 [CT]..ATG[ACT]

82659,85261,2603
 85572,87141,1570
 87434,88174,741
 88471,88737,267
 89291,89515,225
 90042,92597,2556
 ID=NCLIV_012360 - 9 GCAATGC
 101046,101152,107,END:Starts:98307-100191-98068-
 101377,102179,803,EXACT,AG-GT
 102918,103000,83,START: end 2 GT
 103635,104253,619,END: start -153 GT
 104916,105063,148,EXACT,TAG|TGA|TAA:AG-GT
 105529,105696,168,START: end 1207 AG-GT
 106207,106903,697,END: start -678 AG-GT
 107337,107645,309,EXACT,AG-GT
 108403,108999,597,START:Ends:110217-109478-
 ID=NCLIV_012370 - 1 G..ATGG
 113323,115086,1764
 ID=NCLIV_012380 - 5 A..ATG
 117697,117804,108,END:Starts:117169-117172-117181-
 118424,118559,136,EXACT,AG-GT
 118803,118911,109,EXACT,AG-GT
 119338,119478,141,START: end 250 GT
 120216,120348,133
 ID=NCLIV_012400 - 1 G..ATGG
 127257,128645,1389
 ID=NCLIV_012430 - 7 CAAATGG
 151904,151991,88,END:Starts:151007-151256-151263-
 152646,153163,518,START: end 61 GT
 153992,154209,218,EXACT,AG-GT
 154975,155155,181,EXACT,TAG|TGA|TAA:AG-GT
 155638,156395,758,EXACT,AG-GT
 156638,156816,179,EXACT,AG-GT
 157528,159116,1589,START:Ends:160810-159256-
 ID=NCLIV_012450 - 1 TGCATGG
 171450,172679,1230,OVER:Ends:168749-174004-
 ID=NCLIV_012490 - 2 [CT]..ATG[ACT]
 212941,213286,346,END:Starts:212478-207161-208483-
 213911,216813,2903,START:EXACT
 ID=NCLIV_012510 - 2 A..ATG
 225683,225843,161,END:Starts:225420-225477-225405-
 226822,227017,196,START:Ends:227413-227166-228385-
 ID=NCLIV_012530 - 1 G..ATGG
 242600,247369,4770
 ID=NCLIV_012540 - 4 A..ATG
 250573,251505,933
 251888,251970,83
 252519,252602,84
 253319,254720,1402
 ID=NCLIV_012550 - 1 A..ATG
 257849,260071,2223
 ID=NCLIV_012560 - 7 A..ATG
 262989,263047,59
 263669,263885,217
 264287,264358,72,END: start 30 AG
 264790,264834,45,EXACT,AG-GT
 265060,265152,93,EXACT,AG-GT
 265935,266065,131,START: end -24 GT
 266362,266395,34
 ID=NCLIV_012570 - 4 A..ATG

268805,268934,130
 270151,270229,79,OVER: start -974 and end 580 AG (ref:AC-GT)<< Possible error
 270636,270809,174,END: start -1459 AG (ref:AC-GT)<< Possible error
 271327,275056,3730,START:Starts:271327-
 ID=NCLIV_012580 - 4 [CT]..ATG[ACT]
 277708,278201,494
 278585,278654,70
 279006,281208,2203
 282240,282319,80
 ID=NCLIV_012640 - 10 A..ATG
 329487,329575,89,END:Starts:329237-329243-329224-
 329976,330406,431,EXACT,AG-GT
 330697,330882,186,START: end 29 AG-GT (ref:AC-GT)<< Possible error
 331096,331298,203,END: start 152 AG-GT (ref:AC-GT)<< Possible error
 331507,331611,105,EXACT,AG-GT
 332063,332138,76
 332443,332587,145,EXACT,AG-GT
 332892,333072,181,EXACT,AG-GT
 333849,334301,453,EXACT,AG-GT
 334785,335045,261,START:Ends:335805-335560-335777-
 ID=NCLIV_012670 - 8 A..ATG
 351401,351439,39,END:Starts:347733-346211-
 351765,351854,90,EXACT,AG-GT
 352388,352530,143,EXACT,AG-GT
 353121,353474,354
 353922,354422,501,OVER: start -797 and end 2729 GT
 354875,355106,232,OVER: start -1750 and end 2045 GT
 357415,357794,380
 358239,358470,232
 ID=NCLIV_012675 - 2 A..ATG
 361084,361568,485
 361921,362707,787
 ID=NCLIV_012690 - 5 [CT]..ATG[ACT]
 386881,387543,663
 388037,388235,199
 388533,388642,110
 389146,389301,156
 389804,390955,1152
 ID=NCLIV_012700 - 11 A..ATG
 395375,395403,29,END:Starts:394688-394693-394696-
 395737,396003,267,EXACT,AG-GT
 396328,396439,112,EXACT,AG-GT
 396694,396951,258,EXACT,AG-GT
 397340,397405,66,EXACT,AG-GT
 397711,397970,260,EXACT,AG-GT
 398482,398685,204,EXACT,AG-GT
 398986,399130,145,EXACT,AG-GT
 399570,399769,200,EXACT,AG-GT
 399976,400105,130,EXACT,AG-GT
 400761,400763,3,START:Ends:400814-401048-400951-
 ID=NCLIV_012701 - 1 [CT]..ATG[ACT]
 405950,407227,1278
 ID=NCLIV_012710 - 1 [CT]..ATG[ACT]
 414377,415618,1242
 ID=NCLIV_012711 - 1 G..ATGG
 417458,418639,1182
 ID=NCLIV_012712 - 1 A..ATG
 420709,421899,1191
 ID=NCLIV_012730 - 10 TCAATGG
 441794,441872,79

442539,442663,125
 443193,443316,124
 444129,444217,89
 444663,445058,396
 445570,445644,75
 445971,446064,94
 446412,446533,122
 449662,449823,162
 451239,451361,123
 ID=NCLIV_012750 - 1 A..ATG
 460206,462236,2031
 ID=NCLIV_012780 - 5 A..ATG
 493880,494866,987,END:Starts:492334-492231-494213-
 495160,495471,312,EXACT,AG-GT
 495792,496202,411,EXACT,AG-GT
 496537,496669,133,EXACT,AG-GT
 497544,497830,287,START:Ends:498694-498540-501114-
 ID=NCLIV_012820 - 29 GAGATGC
 519577,519731,155
 520252,520516,265
 520982,521257,276
 522120,522311,192
 522515,522686,172
 523287,523363,77
 523746,523791,46
 524343,524428,86
 524793,524831,39
 525360,525461,102
 525906,525989,84
 526656,526760,105
 527395,527472,78
 528456,528495,40
 528614,528687,74
 529882,530139,258
 530315,530433,119
 530541,530681,141
 530813,531131,319
 532387,532525,139
 532581,532668,88
 532736,532838,103
 533456,533500,45
 535320,535436,117,EXACT,AG-GT
 535954,536040,87,EXACT,AG-GT
 536236,536695,460,START: end -17 GT
 538068,538241,174
 538504,538652,149
 538833,539369,537
 ID=NCLIV_012830 - 1 G..ATGG
 542194,543567,1374,OVER:Starts:542074-540382-
 ID=NCLIV_012840 - 6 A..ATG
 546987,547016,30
 547294,547698,405
 548009,548156,148
 548619,548670,52
 548845,549060,216
 549256,549403,148
 ID=NCLIV_012850 - 6 TCAATGG
 552783,552856,74,END:Starts:551951-551957-
 552970,553040,71,EXACT,AG-GT
 553964,554048,85

554732,554911,180
555222,555362,141
555676,556132,457
ID=NCLIV_012860 - 17 A..ATG
559621,559724,104,END:Starts:558643-559002-558897-
559866,559977,112,EXACT,AG-GT
560679,560865,187,EXACT,AG-GT
561109,561264,156,EXACT,AG-GT
561688,561829,142,EXACT,AG-GT
562113,562310,198,EXACT,TAG|TGA|TAA:AG-GT
562943,563062,120,EXACT,AG-GT
563601,563734,134,EXACT,AG-GT
564048,564184,137,EXACT,AG-GT
564857,564994,138,EXACT,AG-GT
565241,565417,177,EXACT,AG-GT
565718,566241,524,EXACT,AG-GT
566553,566902,350,START: end 3 GT (ref:AC-GT)<< Possible error
567315,567619,305,END: start 8 AG (ref:AC-GT)<< Possible error
568163,568378,216,EXACT,AG-GT
568678,568764,87,START: end 42 GT
569562,569957,396
ID=NCLIV_012890 - 11 [CT]..ATG[ACT]
597154,602184,5031,END:Starts:596047-596749-596161-
602576,603266,691,EXACT,AG-GT
604071,616948,12878,EXACT,AG-GT
617207,617670,464,EXACT,AG-GT
618425,618463,39,START: end 4 GT
618957,619802,846,END: start 8 AG (ref:AC-GT)<< Possible error
620529,620794,266,START: end -105 AG-GT (ref:AC-GT)<< Possible error
621002,621300,299,END: start 42 AG-GT (ref:AC-GT)<< Possible error
621973,622883,911,EXACT,AG-GT
623332,623603,272,EXACT,AG-GT
624289,624461,173,START:Ends:627267-627217-627228-
ID=NCLIV_012920 - 1 G..ATGG
663772,664947,1176
ID=NCLIV_012960 - 9 A..ATG
703753,704213,461,END:Starts:703274-703270-703210-
704506,704676,171,EXACT,AG-GT
704839,705121,283,EXACT,AG-GT
705676,705747,72,EXACT,AG-GT
706334,706427,94
707336,707343,8
707752,708153,402
708561,708633,73
709029,709093,65
ID=NCLIV_012990 - 17 A..ATG
722031,722896,866,END:Starts:714742-714664-716590-
723166,723282,117,EXACT,AG-GT
723556,723825,270,EXACT,AG-GT
724174,724465,292,EXACT,AG-GT
724874,725167,294,EXACT,AG-GT
725300,725426,127,EXACT,GT
725748,736552,10805,EXACT,Code:INTERNAL-
737175,740870,3696,START: end 21 GT
741354,741443,90
742136,742711,576,EXACT,AG-GT
743256,743745,490,EXACT,AG-GT
744382,744852,471,START: end -14 GT
745224,745490,267
745868,745914,47

746212,746355,144,END: start 123 AG
 746821,747992,1172,EXACT,AG-GT
 748298,748637,340,START:Ends:749430-749801-
 ID=NCLIV_013000 - 1 GATATGA
 751697,755392,3696
 ID=NCLIV_013010 - 12 TCAATGG
 757751,757768,18
 757823,757919,97
 757977,758061,85
 758121,758252,132
 758309,758336,28
 758403,758449,47
 758504,758570,67
 758628,758712,85
 758769,758821,53
 758883,758955,73
 759011,759035,25
 759095,759179,85
 ID=NCLIV_013030 - 4 GCAATGC
 761832,761891,60,END:Starts:759710-761173-761083-
 762031,762352,322,EXACT,AG-GT
 762639,762748,110,EXACT,AG-GT
 763217,763300,84,START:EXACT
 ID=NCLIV_013050 - 11 GCAATGC
 769042,769124,83,END:Starts:768818-768777-
 769949,770072,124,EXACT,AG-GT
 770355,770597,243,EXACT,AG-GT
 771115,771235,121,EXACT,AG-GT
 771875,771954,80,START: end -34 GT
 772459,772647,189
 773039,773224,186
 773513,773913,401
 774130,774404,275
 775123,776366,1244
 776771,778459,1689
 ID=NCLIV_013080 - 8 A..ATG
 793376,793399,24
 793859,793951,93
 795169,795261,93
 795922,796139,218
 796572,796687,116
 797581,797689,109
 798053,798720,668
 799022,799053,32
 ID=NCLIV_013090 - 2 GAAATGT
 799856,800664,809
 801273,802032,760
 ID=NCLIV_013100 - 2 A..ATG
 806217,808064,1848,END:Starts:805629-805659-805510-
 808371,808670,300,START:Ends:810370-810365-808699-
 ID=NCLIV_013130 - 14 A..ATG
 836637,836736,100,OVER:EXACT
 837269,837420,152,EXACT,GT
 838044,838766,723
 839103,839274,172,EXACT,AG
 839648,839724,77,EXACT,AG-GT
 840338,840466,129,EXACT,AG-GT
 840719,840894,176,EXACT,AG-GT
 841262,841747,486,EXACT,AG-GT
 842918,843047,130,EXACT,GT

843481,843998,518,EXACT,AG-GT
 844681,845128,448,EXACT,GT
 845970,846023,54,EXACT,Info:AG-GC-AG-GT-
 846567,846817,251,OVER: start -33 and end 4765 Code:INTERNAL-
 847364,847367,4,OVER:Starts:846534-
 ID=NCLIV_013140 - 3 A..ATG
 851769,852159,391,END:Starts:851697-849281-850799-
 852665,853077,413,EXACT,AG-GT
 853547,856852,3306,START:Ends:858937-862766-
 ID=NCLIV_013180 - 6 [CT]..ATG[ACT]
 897833,899157,1325
 899909,900120,212
 900996,901291,296
 901824,901832,9
 902361,902490,130
 903056,903249,194
 ID=NCLIV_013200 - 3 [CT]..ATG[ACT]
 918209,918508,300
 919522,919651,130
 920232,920425,194
 ID=NCLIV_013220 - 3 [CT]..ATG[ACT]
 931184,931291,108
 931595,931715,121
 932199,932509,311
 ID=NCLIV_013240 - 2 TGGATGG
 942496,942703,208
 943233,944200,968
 ID=NCLIV_013250 - 9 [CT]..ATG[ACT]
 949457,949776,320,OVER:Starts:942996-944587-
 949996,950365,370,OVER: start -5409 and end 267 AG
 951333,951504,172
 951826,952124,299,START: end 1338 GT
 952716,953148,433,OVER: start -890 and end 314 GT
 954340,954419,80
 954661,954700,40
 955190,955260,71
 955859,961627,5769
 ID=NCLIV_013260 - 1 A..ATG
 967172,967744,573
 ID=NCLIV_013270 - 1 A..ATG
 969545,970540,996
 ID=NCLIV_013290 - 4 CCTATGG
 991906,992355,450,END:Starts:991061-990929-990957-
 992961,994500,1540,START: end -741 GT
 995011,996706,1696,START: end 229 GT
 999769,999784,16
 ID=NCLIV_013310 - 8 TCGATGG
 1016023,1016315,293,END:Starts:1014876-1015791-1015051-
 1016558,1017143,586,EXACT,AG-GT
 1017384,1017687,304
 1017817,1018059,243
 1018190,1018571,382
 1018893,1019313,421
 1019425,1019696,272
 1019893,1020349,457
 ID=NCLIV_013320 - 3 A..ATG
 1021549,1021662,114,END:EXACT
 1021863,1022198,336,EXACT,AG-GT
 1022979,1022981,3,START:Ends:1023132-1023127-1023269-
 ID=NCLIV_013330 - 7 [CT]..ATG[ACT]

1025015,1025189,175
1025624,1025836,213
1026430,1026570,141
1026930,1027003,74
1027453,1027496,44
1027926,1028087,162
1028899,1029346,448
ID=NCLIV_013340 - 1 [CT]..ATG[ACT]
1032456,1041848,9393
ID=NCLIV_013390 - 12 A..ATG
1080092,1080215,124,OVER:Ends:1080401-1080799-
1080968,1081030,63
1081658,1081736,79
1082446,1082549,104,END: start -297 AG (ref:AC-GT)<< Possible error
1083208,1083260,53,EXACT,ATG:AG-GT
1083691,1083773,83,EXACT,AG-GT
1084206,1084273,68,EXACT,AG-GT
1085056,1085124,69,EXACT,AG-GT
1085815,1086331,517,EXACT,AG-GT
1086737,1086839,103,EXACT,AG-GT
1087417,1087523,107,START: end 1687 GT
1088139,1088196,58,OVER:Ends:1089316-1088258-1089210-
ID=NCLIV_013410 - 10 A..ATG
1112524,1112787,264
1113168,1113293,126,EXACT,AG
1113970,1114031,62,EXACT,AG-GT
1114427,1114579,153,EXACT,AG-GT
1115109,1115245,137,START: end 25 GT
1115780,1115946,167,END: start 3 AG
1116300,1116348,49,START: end 747 AG-GT
1117092,1117095,4,END: start -792 AG-GT
1117579,1117718,140,EXACT,AG-GT
1118108,1118205,98,START:Ends:1118637-1118630-1118632-
ID=NCLIV_013450 - 20 GCAATGC
1132545,1132631,87,END:Starts:1131198-1130806-1131321-
1132972,1133194,223,START: end -67 GT
1134283,1134319,37,EXACT,AG-GT
1134702,1134849,148,END: start -215 AG-GT
1135134,1135217,84,EXACT,AG-GT
1135573,1135653,81,EXACT,AG-GT
1136516,1136575,60,START: end -8 GT
1136929,1137036,108
1137268,1137295,28
1138617,1138723,107
1139495,1139629,135
1139867,1139944,78
1140690,1140782,93
1141357,1141427,71
1141824,1141968,145
1142403,1142510,108
1142745,1142906,162
1143407,1143644,238
1144248,1144278,31
1144544,1144565,22
ID=NCLIV_013460 - 1 A..ATG
1148280,1149554,1275
ID=NCLIV_013480 - 3 A..ATG
1162623,1163048,426,END:Starts:1162356-1162311-
1163658,1163758,101,EXACT,AG-GT
1163914,1164142,229,START:Ends:1164909-1165049-

ID=NCLIV_013490 - 6 [CT]..ATG[ACT]
1166084,1166504,421
1166984,1167554,571
1167675,1167792,118
1168963,1169189,227
1169526,1170174,649
1170477,1170530,54

ID=NCLIV_013500 - 1 A..ATG
1172498,1174273,1776

ID=NCLIV_013510 - 14 A..ATG
1176110,1176498,389,END:Starts:1175185-1175430-1175244-
1176966,1177212,247,EXACT,AG-GT
1177753,1177923,171,EXACT,AG-GT
1178308,1178373,66,EXACT,AG-GT
1178610,1178747,138,EXACT,AG-GT
1179349,1179552,204,EXACT,AG-GT
1180294,1180464,171,EXACT,AG-GT
1181211,1181345,135,EXACT,AG-GT
1181677,1181852,176,EXACT,AG-GT
1182776,1182956,181,EXACT,AG-GT
1183912,1184007,96,EXACT,AG-GT
1184720,1184986,267,START: end -8 GT
1185303,1185821,519,END: start 1 AG
1186530,1187378,849,START:Ends:1188031-1188038-

ID=NCLIV_013520 - 9 A..ATG
1190583,1190644,62,END:Starts:1189919-1189917-1190112-
1190975,1191168,194,EXACT,AG-GT
1191526,1191895,370,EXACT,AG-GT
1192237,1192318,82,EXACT,AG-GT
1192723,1192800,78
1193267,1193336,70,EXACT,AG-GT
1194310,1194458,149,EXACT,AG-GT
1194804,1194869,66,START: end 103 GT
1196014,1196025,12

ID=NCLIV_013540 - 5 A..ATG
1214720,1214767,48,END:Starts:1214069-1214071-1214013-
1215146,1215226,81,EXACT,AG-GT
1215523,1215753,231,EXACT,AG-GT
1216418,1216586,169,EXACT,AG-GT
1217185,1217189,5,START:Ends:1217903-1218049-

ID=NCLIV_013550 - 1 A..ATG
1220896,1222416,1521

ID=NCLIV_013570 - 5 A..ATG
1230280,1230363,84,OVER:Starts:1230286-1230262-1230257-
1231080,1231170,91,EXACT,AG-GT
1231528,1231604,77,EXACT,AG-GT
1232029,1232092,64,EXACT,AG-GT
1232597,1232778,182,START:Ends:1233567-1232716-

ID=NCLIV_013580 - 11 TTGATGG
1234728,1234816,89
1235399,1235558,160
1236218,1236364,147
1236961,1237173,213
1237624,1237718,95
1241382,1241724,343
1242381,1242454,74
1242715,1242938,224
1243282,1243450,169
1244296,1244448,153
1244958,1245099,142

ID=NCLIV_013610 - 6 [CT]..ATG[ACT]
1258919,1259495,577,END:Starts:1258545-1258485-1258532-
1260035,1260216,182,EXACT,AG-GT
1260832,1261095,264,START: end -16 GT
1261581,1261832,252,EXACT,AG
1262314,1262621,308,EXACT,AG-GT
1262897,1263221,325,START:EXACT
ID=NCLIV_013620 - 6 G..ATGG
1264413,1264574,162
1265329,1265413,85,EXACT,AG-GT
1265606,1265724,119,EXACT,AG-GT
1266068,1266401,334,EXACT,AG-GT
1267083,1267445,363,EXACT,AG-GT
1267814,1267995,182,START:Ends:1268422-1268366-1268420-
ID=NCLIV_013660 - 9 G..ATGG
1285242,1286362,1121,END:EXACT
1286618,1286783,166,EXACT,AG-GT
1286838,1286929,92
1287148,1287339,192,END: start -53 AG-GT (ref:AC-GT)<< Possible error
1287933,1288512,580,EXACT,AG-GT
1288764,1288895,132,EXACT,AG-GT
1289305,1289408,104,EXACT,AG-GT
1289851,1290622,772,EXACT,AG-GT
1291075,1291404,330,START:Ends:1292255-1292001-1292330-
ID=NCLIV_013680 - 10 GCCATGA
1298609,1299592,984,END:Starts:1298013-1298035-
1300101,1300194,94,EXACT,AG-GT
1300860,1301077,218,START: end -3 GT
1301516,1301560,45
1302314,1302387,74,END: start -108 AG
1302715,1302749,35,EXACT,AG-GT
1303374,1303432,59,EXACT,AG-GT
1304540,1304877,338,END: start -2 AG
1305158,1305467,310,EXACT,AG-GT
1305975,1307357,1383,START:Ends:1306523-1306452-
ID=NCLIV_013700 - 5 A..ATG
1318519,1318608,90,END:Starts:1318226-1318199-1318196-
1319050,1319231,182,EXACT,AG-GT
1319727,1319852,126,EXACT,AG-GT
1320302,1320355,54
1320763,1320820,58,START:Ends:1320933-1320916-1320983-
ID=NCLIV_013710 - 1 A..ATG
1324307,1326343,2037
ID=NCLIV_013740 - 3 A..ATG
1347771,1347829,59
1348574,1348690,117
1348946,1353242,4297
ID=NCLIV_013750 - 1 A..ATG
1355438,1356130,693
ID=NCLIV_0137- 1 [CT]..ATG[ACT]
1363264,1365048,1785
ID=NCLIV_013780 - 4 G..ATGG
1376572,1376749,178,END:Starts:1375515-1376367-1376341-
1377239,1377355,117,EXACT,AG-GT
1377883,1378016,134,EXACT,AG-GT
1378723,1379004,282,START:Ends:1379548-1379629-
ID=NCLIV_013800 - 3 A..ATG
1399886,1399933,48,END:Starts:1396013-1398358-1398414-
1400137,1400568,432,EXACT,AG-GT
1401163,1401810,648,START:Ends:1401186-1402384-

ID=NCLIV_013810 - 14 A..ATG
1405480,1405649,170,END:Starts:1404435-1404479-
1405968,1406098,131,EXACT,AG-GT
1406385,1406453,69,EXACT,AG-GT
1406703,1406809,107,EXACT,AG-GT
1407149,1407243,95,EXACT,AG-GT
1407366,1409955,2590,EXACT,AG-GT
1410409,1410590,182,EXACT,AG-GT
1410874,1410960,87,EXACT,AG-GT
1411310,1411387,78,EXACT,AG-GT
1411864,1411913,50,EXACT,AG-GT
1412162,1412282,121,START: end 195 GT
1413332,1413558,227,END: start 21 AG (ref:AC-GT)<< Possible error
1413983,1414161,179,EXACT,AG-GT
1414727,1414837,111,START:Ends:1416210-1416204-1416230-
ID=NCLIV_013820 - 9 GTCATGT
1420237,1420340,104,END:Starts:1418308-1419674-1418343-
1420881,1421116,236,START: end -2 AG-GT
1421662,1421762,101,START: end 156 Code:NONE-INTERNAL-
1422638,1422786,149,EXACT,AG-GT
1423218,1423480,263,EXACT,AG-GT
1424151,1424322,172,EXACT,AG-GT
1424857,1425127,271,EXACT,AG-GT
1425536,1425692,157,EXACT,AG-GT
1426107,1426393,287,START:Ends:1426374-1426379-
ID=NCLIV_013830 - 47 [CT]..ATG[ACT]
1428715,1428921,207
1429298,1429489,192
1430249,1430464,216
1431121,1431357,237
1431564,1431755,192
1432194,1432338,145
1432899,1432980,82
1433593,1433745,153
1434376,1434532,157
1434765,1435724,960
1436560,1436832,273
1437048,1437546,499
1438426,1438570,145
1438681,1438735,55
1439571,1439774,204,END: start 71 AG
1440399,1440521,123,EXACT,AG-GT
1441171,1441334,164,EXACT,AG-GT
1442232,1442873,642,START: end 155 AG-GT
1443394,1443641,248,START: end 627 AG-GT
1444115,1444268,154,END: start -721 AG-GT
1444654,1445330,677,EXACT,AG-GT
1445890,1446033,144,EXACT,AG-GT
1446478,1446602,125,EXACT,AG-GT
1447038,1447462,425,START: end -13 AG-GT
1448198,1448359,162,EXACT,AG
1449018,1449181,164,EXACT,AG-GT
1449404,1449596,193,START: end 1084 AG-GT
1450438,1450680,243,END: start -1034 AG-GT
1451051,1451219,169,EXACT,AG-GT
1451466,1451797,332,EXACT,AG-GT
1452231,1452423,193,EXACT,AG-GT
1452764,1453015,252,EXACT,AG-GT
1453829,1454009,181,EXACT,ATG:AG-GT
1454472,1454702,231,START: end 591 GT

1455430,1455605,176
 1456221,1456307,87
 1456641,1456800,160
 1457617,1457693,77
 1458253,1458392,140
 1459080,1459201,122
 1459535,1459764,230
 1460174,1460388,215
 1461115,1461271,157
 1461808,1462033,226
 1462642,1462887,246
 1463552,1463742,191
 1464292,1464777,486
 ID=NCLIV_013850 - 3 CGGATGG
 1477927,1477955,29
 1478688,1478816,129
 1479495,1481616,2122
 ID=NCLIV_013880 - 4 A..ATG
 1501745,1501993,249
 1502179,1502337,159
 1502711,1506390,3680
 1506849,1506972,124
 ID=NCLIV_013900 - 1 A..ATG
 1513974,1515353,1380
 ID=NCLIV_013930 - 3 GTCATGA
 1533632,1533744,113,END:Starts:1533140-1533115-1533045-
 1534281,1534440,160,START: end -60 AG-GT
 1534917,1535357,441,START:Ends:1535837-1535841-
 ID=NCLIV_013950 - 5 A..ATG
 1542916,1542975,60,END:Starts:1542595-1542559-1542565-
 1543538,1543768,231,EXACT,AG-GT
 1544313,1544434,122,EXACT,AG-GT
 1545028,1545133,106,EXACT,AG-GT
 1545798,1546151,354,START:Ends:1546937-1547011-
 ID=NCLIV_013960 - 11 A..ATG
 1549081,1549133,53,END:Starts:1548145-1547951-1548052-
 1549714,1549852,139,EXACT,AG-GT
 1550140,1550218,79,EXACT,AG-GT
 1550524,1550622,99,START: end 235 GT
 1551055,1551398,344,END: start -87 AG
 1551679,1551966,288,EXACT,AG-GT
 1552525,1552635,111,EXACT,AG-GT
 1553013,1553102,90,EXACT,AG-GT
 1553530,1553641,112,EXACT,AG-GT
 1553884,1554005,122,EXACT,AG-GT
 1554662,1554787,126,START:Ends:1555879-1555823-
 ID=NCLIV_013980 - 1 GGCATGC
 1560242,1561618,1377
 ID=NCLIV_014000 - 1 A..ATG
 1570029,1570583,555,OVER:Starts:1567564-1567453-
 ID=NCLIV_014010 - 10 A..ATG
 1573779,1573949,171,END:EXACT
 1574057,1574159,103,EXACT,AG-GT
 1574340,1574424,85,END: start 41 AG-GT (ref:AC-GT)<< Possible error
 1575744,1575858,115,START: end 273 AG-GT
 1576172,1576226,55
 1577318,1577390,73
 1577920,1578010,91
 1578578,1578675,98
 1578895,1578988,94

1579201,1579218,18
 ID=NCLIV_014030 - 7 CTGATGG
 1584504,1584833,330,END:Starts:1584347-1584268-
 1585201,1585476,276,EXACT,AG-GT
 1585883,1586002,120,EXACT,AG-GT
 1586801,1587054,254,EXACT,AG-GT
 1587353,1587808,456,EXACT,AG
 1588335,1589415,1081,START: end -391 GT
 1590018,1592081,2064,START:Ends:1592818-1592139-
 ID=NCLIV_014040 - 3 A..ATG
 1596384,1596683,300,END:Starts:1595621-1594734-1595263-
 1597079,1597345,267,EXACT,GT
 1597467,1598102,636
 ID=NCLIV_014060 - 1 A..ATG
 1605594,1608443,2850
 ID=NCLIV_014110 - 3 [CT]..ATG[ACT]
 1624979,1626644,1666,OVER:EXACT
 1626751,1626891,141,END: start -1851 AG-GT
 1628013,1629100,1088
 ID=NCLIV_014160 - 7 A..ATG
 1656781,1656960,180
 1657486,1657610,125,END: start 1 AG (ref:AC-GT)<< Possible error
 1657836,1658038,203,EXACT,AG-GT
 1658176,1658318,143,EXACT,AG-GT
 1658914,1659161,248,EXACT,AG-GT
 1659559,1659730,172,START: end 6 GT
 1660056,1660091,36
 ID=NCLIV_014180 - 2 A..ATG
 1666142,1667097,956,END:Starts:1666154-1665773-1665854-
 1667740,1668130,391,START:Ends:1669250-1669257-1669136-
 ID=NCLIV_014190 - 10 GCCATGC
 1670592,1670852,261,END:Starts:1670199-1670272-1670640-
 1671385,1671668,284,EXACT,AG-GT
 1672039,1672108,70,END: start -104 AG
 1672527,1672628,102,EXACT,GT
 1673070,1673313,244
 1673602,1673951,350,END: start -67 AG
 1674761,1674851,91,EXACT,AG-GT
 1675381,1676308,928,EXACT,GT
 1676464,1678847,2384,WITHIN: start 2225 and end -57 AG
 1679020,1679648,629,START:Ends:1680161-1680008-
 ID=NCLIV_014200 - 9 A..ATG
 1682212,1684176,1965,END:Starts:1680227-1682693-1682708-
 1684667,1689271,4605,START: end -868 GT
 1689631,1689711,81,EXACT,GT
 1690070,1690355,286,END: start -231 AG
 1690790,1693488,2699,START: end 18 GT
 1694042,1696544,2503,EXACT,AG
 1697004,1700049,3046,START: end 3569 GT
 1701589,1702123,535,OVER: start -4585 and end 1495 GT
 1702689,1702691,3,OVER:Ends:1703502-1703618-
 ID=NCLIV_014220 - 2 A..ATG
 1712250,1713548,1299
 1714307,1714546,240
 ID=NCLIV_014240 - 7 G..ATGG
 1731001,1731877,877,END:Starts:1730637-1730309-
 1732650,1733245,596,START: end -465 GT
 1733788,1735293,1506
 1736207,1736250,44
 1736517,1737060,544

1737514,1739761,2248
1740146,1742019,1874
ID=NCLIV_014260 - 9 TTTATGG
1749128,1749178,51,END:Starts:1747912-1748156-1747871-
1749562,1749640,79,EXACT,AG-GT
1749765,1749829,65,EXACT,AG-GT
1750243,1750299,57,EXACT,AG-GT
1750935,1751002,68,START: end 3 GT
1751510,1751585,76,END: start -1 AG
1752050,1752211,162,EXACT,AG-GT
1753082,1753297,216,EXACT,AG-GT
1753794,1754048,255,START:Ends:1756241-1756002-
ID=NCLIV_014280 - 5 [CT]..ATG[ACT]
1763002,1763373,372,END:Starts:1762808-1762819-
1763815,1764504,690,EXACT,AG
1764940,1765630,691,START: end -14 GT
1766049,1766579,531
1766899,1768211,1313
ID=NCLIV_014300 - 4 A..ATG
1783089,1783654,566
1784274,1784756,483
1785016,1785083,68
1785578,1785687,110
ID=NCLIV_014320 - 6 A..ATG
1797300,1797382,83,END:EXACT
1797912,1798346,435,EXACT,AG-GT
1798933,1799126,194,EXACT,AG-GT
1799545,1799636,92,EXACT,AG-GT
1799898,1800465,568,EXACT,AG-GT
1800786,1800880,95,START:Ends:1801679-1801609-1802955-
ID=NCLIV_014330 - 16 A..ATG
1803449,1803520,72,END:Starts:1803186-1803150-1803229-
1803917,1804009,93,EXACT,AG-GT
1804634,1804772,139,EXACT,AG-GT
1805130,1805183,54,EXACT,AG-GT
1805429,1805572,144,EXACT,AG-GT
1805857,1805924,68,EXACT,AG-GT
1806193,1806340,148,EXACT,AG-GT
1806639,1806784,146,EXACT,AG-GT
1807346,1807668,323,EXACT,AG-GT
1807963,1808173,211,EXACT,AG-GT
1808459,1808602,144,EXACT,AG-GT
1809142,1809259,118,EXACT,AG-GT
1809781,1809913,133,EXACT,AG-GT
1810330,1810490,161,EXACT,TAG|TGA|TAA:AG-GT
1810683,1810817,135,EXACT,ATG:AG-GT
1811337,1811449,113,START:Ends:1812031-1811827-1811975-
ID=NCLIV_014370 - 2 A..ATG
1843407,1843577,171,END:Starts:1840687-1843172-1843247-
1843960,1844049,90,START:Ends:1844591-1844699-1845179-
ID=NCLIV_014390 - 6 GGAATGC
1851424,1851564,141,END:Starts:1851290-1849999-
1852185,1852529,345,EXACT,AG-GT
1852985,1853241,257,EXACT,AG-GT
1853688,1853905,218,EXACT,AG-GT
1854394,1854899,506,START: end 1064 GT
1855461,1855508,48,OVER:Ends:1855977-1854942-1855963-
ID=NCLIV_014410 - 2 A..ATG
1873172,1873447,276,END:Starts:1873262-1871651-
1874005,1874316,312,START:Ends:1874745-1875991-

ID=NCLIV_014450 - 13 A..ATG
 1906490,1906662,173,END:Starts:1905707-1905608-1905721-
 1907243,1907496,254,EXACT,AG-GT
 1908254,1908578,325,EXACT,AG-GT
 1908951,1909121,171,EXACT,AG-GT
 1909472,1909625,154,EXACT,AG-GT
 1910132,1910335,204,EXACT,AG-GT
 1910657,1910790,134,EXACT,AG-GT
 1911244,1911396,153,EXACT,AG-GT
 1911750,1911891,142,EXACT,AG-GT
 1912115,1912173,59,EXACT,AG-GT
 1912414,1912497,84,EXACT,AG-GT
 1912941,1913107,167,START: end -116 AG-GT (ref:AC-GT)<< Possible error
 1913523,1913662,140,START:Ends:1914331-1914002-1914035-
 ID=NCLIV_014480 - 15 CTTATGG
 1936467,1938025,1559
 1938828,1938939,112
 1939460,1939519,60
 1939946,1940125,180
 1940659,1940810,152
 1941096,1941169,74
 1941816,1942012,197
 1942280,1942515,236
 1942749,1942830,82
 1943078,1943161,84
 1943658,1943707,50
 1943933,1944106,174
 1944709,1944805,97
 1945634,1945768,135
 1945962,1946171,210
 ID=NCLIV_014520 - 2 G..ATGG
 1969398,1969948,551
 1970850,1971366,517
 ID=NCLIV_014530 - 2 G..ATGG
 1973046,1973527,482
 1974597,1975107,511
 ID=NCLIV_014540 - 3 A..ATG
 1977998,1979095,1098,END:Starts:1977486-1977490-1977491-
 1979446,1979720,275,EXACT,AG-GT
 1980718,1980730,13,START:Ends:1981046-1981125-1981045-
 ID=NCLIV_014560 - 11 GCAATGC
 1987499,1988106,608
 1988689,1988956,268
 1989501,1989875,375
 1990361,1990447,87
 1990926,1991063,138
 1991881,1993477,1597
 1994211,1994647,437
 1995249,1995647,399
 1996102,1996506,405
 1997271,1999388,2118
 1999874,2001670,1797
 ID=NCLIV_014580 - 11 A..ATG
 2020476,2021123,648
 2021725,2022018,294
 2022721,2022977,257
 2023466,2023589,124
 2023878,2024075,198
 2024610,2024734,125
 2025087,2025169,83

2025785,2026007,223
 2026349,2027021,673
 2027574,2027758,185
 2028115,2030212,2098
 ID=NCLIV_014600 - 6 A..ATG
 2036669,2037269,601
 2037910,2038501,592
 2039095,2039758,664
 2040074,2042449,2376
 2044449,2044629,181
 2045136,2047738,2603
 ID=NCLIV_014620 - 3 A..ATG
 2053742,2054056,315
 2054542,2054621,80
 2054977,2055211,235
 ID=NCLIV_014650 - 3 G..ATGG
 2072841,2073140,300,END:Starts:2070978-2071035-2071039-
 2073941,2074057,117,EXACT,AG-GT
 2074545,2075117,573,START:EXACT
 ID=NCLIV_014670 - 6 CAGATGG
 2079241,2079356,116,END:Starts:2076309-2078664-2078649-
 2079779,2079890,112,START: end -26 GT
 2080209,2080326,118
 2080759,2081057,299
 2081675,2081742,68
 2082343,2082448,106,END:Starts:2082343-2082150-
 ID=NCLIV_014680 - 3 G..ATGG
 2086695,2088059,1365
 2088567,2088676,110
 2089204,2089285,82
 ID=NCLIV_014700 - 2 A..ATG
 2097112,2097638,527,END:Starts:2094279-2095586-2097437-
 2098053,2098308,256,START:Ends:2100078-2098332-2100258-
 ID=NCLIV_014720 - 1 A..ATG
 2119773,2126444,6672
 ID=NCLIV_014760 - 3 A..ATG
 2154964,2155270,307,END:Starts:2149658-2149753-
 2155609,2155662,54,EXACT,AG-GT
 2156177,2156325,149,START:Ends:2157015-2157009-2157030-
 ID=NCLIV_014790 - 7 [CT]..ATG[ACT]
 2174717,2175395,679
 2176480,2176563,84
 2177005,2177651,647
 2178176,2178340,165
 2178686,2179033,348,END: start 30 AG
 2179706,2181050,1345,START: end -485 GT
 2182362,2182492,131
 ID=NCLIV_014810 - 8 A..ATG
 2191588,2194416,2829
 2194833,2194962,130
 2195589,2195707,119
 2195958,2196059,102
 2196589,2197041,453
 2197635,2198648,1014
 2198872,2199397,526
 2199985,2201921,1937
 ID=NCLIV_014830 - 4 [CT]..ATG[ACT]
 2208186,2208398,213
 2208859,2209975,1117
 2210498,2210541,44

2211578,2211823,246
 ID=NCLIV_014840 - 2 A..ATG
 2214496,2215599,1104
 2215954,2216115,162
 ID=NCLIV_014850 - 4 [CT]..ATG[ACT]
 2224364,2224801,438
 2225220,2225233,14
 2225633,2226356,724
 2226857,2226952,96
 ID=NCLIV_014860 - 1 GAGATGC
 2232581,2233840,1260
 ID=NCLIV_014870 - 20 A..ATG
 2237268,2237486,219
 2238032,2238204,173
 2238664,2238750,87
 2239185,2239500,316
 2239641,2239821,181
 2240435,2240493,59
 2240841,2240891,51
 2241368,2241535,168
 2241842,2241955,114
 2242519,2242665,147
 2243091,2243267,177
 2243529,2243581,53
 2243793,2243880,88
 2244084,2244203,120
 2244425,2244984,560
 2245502,2245679,178
 2246010,2246087,78
 2246478,2246662,185
 2247099,2247413,315
 2247568,2248459,892
 ID=NCLIV_014900 - 1 A..ATG
 2254319,2255257,939
 ID=NCLIV_014910 - 3 A..ATG
 2257750,2258298,549,END:Starts:2257599-2257371-2257420-
 2258590,2258894,305,EXACT,AG-GT
 2259134,2259158,25,START:EXACT
 ID=NCLIV_014950 - 7 A..ATG
 2284086,2284119,34,END:Starts:2282895-2282932-2282991-
 2284657,2284750,94,EXACT,AG-GT
 2285111,2285285,175,EXACT,AG-GT
 2285807,2286038,232,EXACT,AG-GT
 2286412,2286544,133,EXACT,AG-GT
 2286984,2287109,126,EXACT,AG-GT
 2287870,2287972,103
 ID=NCLIV_014960 - 12 A..ATG
 2290430,2290529,100,END:Starts:2288504-2289888-2290019-
 2290844,2291011,168,EXACT,AG-GT
 2291425,2291531,107,EXACT,AG-GT
 2292002,2292152,151,EXACT,AG-GT
 2292695,2293051,357,EXACT,AG-GT
 2293685,2293874,190,EXACT,AG-GT
 2294357,2294438,82,EXACT,AG-GT
 2294931,2295017,87,EXACT,AG-GT
 2295392,2295576,185,EXACT,AG-GT
 2296265,2296379,115,START: end 11 AG-GT
 2297515,2297741,227,EXACT,GT
 2298261,2298357,97,START:Starts:2298136-2298261-
 ID=NCLIV_014990 - 2 A..ATG

2321413,2321502,90,END:Starts:2320453-2321126-2321032-
 2322067,2325078,3012,START:Ends:2325802-2324832-2327047-
 ID=NCLIV_015000 - 3 CAGATGG
 2328998,2329969,972,END:Starts:2327728-2327748-2327749-
 2330418,2330548,131,EXACT,AG-GT
 2330834,2331734,901,START:EXACT
 ID=NCLIV_015020 - 8 [CT]..ATG[ACT]
 2340439,2340545,107,END:Starts:2337406-2337491-
 2341069,2341290,222,START: end 109 GT
 2342338,2342529,192
 2342763,2342852,90
 2343194,2343391,198
 2343749,2343925,177
 2344180,2344788,609
 2345090,2345216,127
 ID=NCLIV_015030 - 10 A..ATG
 2353598,2353847,250
 2354342,2354360,19
 2355715,2355848,134
 2356451,2356586,136
 2357202,2357362,161
 2357942,2358051,110
 2358329,2358410,82
 2358882,2358978,97
 2359359,2359404,46
 2359989,2360060,72
 ID=NCLIV_015090 - 1 [CT]..ATG[ACT]
 2438789,2439019,231
 ID=NCLIV_015110 - 1 GGAATGT
 2464449,2465420,972
 ID=NCLIV_015130 - 5 A..ATG
 2485596,2485868,273,END:Starts:2485672-2485125-2483681-
 2486397,2486595,199,EXACT,AG-GT
 2487475,2487580,106,EXACT,AG-GT
 2488730,2488814,85,EXACT,AG-GT
 2489283,2489627,345,START:Ends:2490375-2489924-2490374-
 ID=NCLIV_015150 - 5 CAAATGG
 2498957,2499073,117,END:Starts:2497928-2497974-
 2499441,2499673,233,EXACT,AG-GT
 2500151,2500241,91,EXACT,AG-GT
 2500751,2500840,90,START: end -4 GT
 2501470,2501766,297
 ID=NCLIV_015180 - 3 A..ATG
 2520634,2520729,96,END:Starts:2520356-2520367-2520340-
 2521223,2521327,105,EXACT,AG-GT
 2521944,2522501,558,START:Ends:2523044-2522596-2523045-
 ID=NCLIV_015210 - 6 A..ATG
 2549267,2549356,90,END:Starts:2546036-2549087-2546114-
 2549916,2550026,111,EXACT,AG-GT
 2550295,2550420,126,EXACT,AG-GT
 2550751,2550987,237,EXACT,AG-GT
 2551400,2551663,264,START: end 1371 GT
 2551865,2552224,360,OVER:Ends:2553034-2551668-2553143-
 ID=NCLIV_015220 - 6 A..ATG
 2555020,2555466,447
 2555881,2555925,45,END: start 2 AG (ref:AC-GT)<< Possible error
 2557761,2558004,244,EXACT,AG-GT
 2558643,2558732,90,EXACT,AG-GT
 2559006,2559081,76,EXACT,AG-GT
 2559472,2559835,364,START:Ends:2561388-2560348-2561368-

ID=NCLIV_015225 - 9 G..ATGG
2568675,2569696,1022
2570165,2570300,136
2570998,2571128,131
2571851,2571972,122
2572463,2572670,208
2573068,2573160,93
2573591,2573764,174
2574229,2574397,169
2575234,2575596,363

ID=NCLIV_015230 - 8 GAGATGC
2578792,2578920,129,END:Starts:2578390-2578218-
2579749,2579881,133
2580113,2580198,86
2580469,2580545,77
2580834,2580946,113
2581340,2581431,92
2582093,2582149,57
2582538,2582963,426

ID=NCLIV_015240 - 10 A..ATG
2586542,2586687,146,END:Starts:2585109-2585120-2585105-
2587005,2587088,84,EXACT,AG-GT
2587281,2587404,124,START: end 31 GT
2587829,2587958,130
2588094,2588326,233
2588862,2589086,225,END: start 15 AG
2589444,2589610,167,START: end 5 GT
2590040,2590125,86
2590993,2591428,436
2592013,2592097,85

ID=NCLIV_015270 - 4 [CT]..ATG[ACT]
2624796,2627601,2806
2628084,2628501,418,EXACT,AG
2629118,2629184,67
2629389,2629406,18,OVER:Ends:2629863-2629867-

ID=NCLIV_015290 - 10 A..ATG
2637303,2637504,202,END:Starts:2636287-2636281-2636426-
2638058,2638341,284,EXACT,AG-GT
2638759,2638847,89,EXACT,AG-GT
2639147,2639258,112,EXACT,AG-GT
2639489,2639580,92,EXACT,AG-GT
2640247,2640340,94,EXACT,AG-GT
2641068,2641162,95,EXACT,AG-GT
2641851,2641909,59,EXACT,AG-GT
2642163,2642440,278,EXACT,AG-GT
2643022,2643774,753,START:EXACT

ID=NCLIV_0153- 20 GGAATGT
2659701,2660219,519
2660549,2660686,138
2661358,2661457,100
2662077,2662202,126
2662598,2662752,155
2663166,2663357,192
2663571,2663708,138
2663894,2664085,192
2664543,2664680,138
2664946,2665191,246
2665946,2666407,462
2667458,2667676,219
2667960,2669492,1533

2670116,2670690,575
 2670894,2671101,208
 2671519,2671953,435
 2672169,2673143,975
 2673436,2673924,489
 2674297,2674821,525
 2675446,2682246,6801
 ID=NCLIV_015330 - 5 [CT]..ATG[ACT]
 2684827,2685384,558
 2686345,2686973,629
 2687064,2687697,634
 2687946,2689243,1298
 2690035,2690287,253
 ID=NCLIV_015360 - 2 CCCATGG
 2699937,2702010,2074
 2703490,2703974,485
 ID=NCLIV_015380 - 1 A..ATG
 2717654,2718670,1017,OVER:Starts:2717234-2717228-2717224-
 ID=NCLIV_015400 - 3 A..ATG
 2725424,2725800,377
 2726266,2731563,5298
 2732059,2732575,517

CHROMOSOME VI – FORWARD

ID=NCLIV_015410 + 3 A..ATG
 12403,12418,16,END:Starts:12204-12201-12209-
 13106,13241,136,START: end -91 AG
 14139,14487,349
 ID=NCLIV_015440 + 12 A..ATG
 37681,37753,73
 38898,39191,294,END: start -1 GT (ref:AG-GT)<< Possible error
 39587,39934,348,EXACT,AG-GT
 40550,40794,245,EXACT,AG-GT
 41125,41367,243,EXACT,AG-GT
 41565,41792,228,EXACT,AG-GT
 42132,42356,225,EXACT,AG-GT
 42779,43264,486,START: end 474 AG-GT (ref:AG-GT)<< Possible error
 43589,43738,150,END: start -810 AG-GT (ref:AG-GT)<< Possible error
 43975,44149,175,EXACT,AG-GT
 44679,44831,153,EXACT,AG-GT
 45076,45272,197,START:EXACT
 ID=NCLIV_015450 + 1 G..ATGG
 48655,49560,906
 ID=NCLIV_015460 + 5 A..ATG
 51744,51887,144,END:Starts:50293-51440-51462-
 52480,52581,102,EXACT,AG-GT
 53112,53246,135,EXACT,AG-GT
 53529,53774,246,EXACT,AG-GT
 54253,54342,90,START:Ends:55200-55178-
 ID=NCLIV_015470 + 6 CCGATGG
 58529,59269,741
 60212,60515,304
 60893,61576,684
 63744,63871,128,OVER: start -1312 and end 92 GT (ref:AG-GT)<< Possible error
 64104,64707,604,START: end 209 AG
 64935,65116,182,START:Starts:64935-64104-
 ID=NCLIV_015490 + 4 A..ATG
 75978,75997,20,END:Starts:75374-75471-75954-
 76678,76784,107,EXACT,AG-GT

77116,77250,135,EXACT,AG-GT
 77627,77703,77,START:Ends:78095-78080-78088-
 ID=NCLIV_015520 + 1 A..ATG
 94090,95139,1050
 ID=NCLIV_015530 + 1 A..ATG
 97377,98477,1101
 ID=NCLIV_015540 + 4 GACATGC
 101620,104091,2472,END:Starts:100000-100010-101434-
 104468,104926,459,EXACT,AG-GT
 105364,105960,597,EXACT,AG-GT
 106432,107433,1002,START:Ends:107778-107890-107961-
 ID=NCLIV_015560 + 10 G..ATGG
 128010,128588,579,END:Starts:127110-127065-128421-
 128843,128928,86,EXACT,AG-GT
 129221,129275,55,EXACT,AG-GT
 129535,129744,210,EXACT,AG-GT
 130280,130345,66,EXACT,AG-GT
 130708,130829,122,EXACT,AG-GT
 131100,131155,56,EXACT,AG-GT
 131329,131368,40,EXACT,AG-GT
 131692,131788,97,EXACT,AG-GT
 132287,132520,234,START:Ends:133978-133838-133551-
 ID=NCLIV_0155+ 9 A..ATG
 135717,135997,281,END:EXACT
 136579,137791,1213,EXACT,AG-GT
 138075,138220,146,EXACT,AG-GT
 138759,138860,102,EXACT,AG-GT
 139313,139474,162,EXACT,AG-GT
 139906,139954,49,EXACT,AG-GT
 140160,140253,94,EXACT,TAG|TGA|TAA:AG-GT
 140947,141042,96,START: end -13 AG
 141679,141770,92
 ID=NCLIV_015580 + 1 A..ATG
 143899,144861,963
 ID=NCLIV_015590 + 1 G..ATGG
 147019,147972,954
 ID=NCLIV_015600 + 10 GTAATGA
 150995,151000,6,END:Starts:150135-150092-
 151756,151872,117,EXACT,AG-GT
 152463,152620,158,EXACT,AG-GT
 153126,153247,122,EXACT,AG-GT
 153718,153803,86,EXACT,AG-GT
 154333,154499,167,EXACT,AG-GT
 154844,155059,216,EXACT,AG-GT
 155458,155544,87,EXACT,AG-GT
 155789,156249,461,EXACT,AG-GT
 156404,156513,110,START:Ends:158046-157150-156839-
 ID=NCLIV_015620 + 2 A..ATG
 164262,164277,16,END:Starts:163960-164034-164110-
 165185,165474,290,START:Ends:165725-165734-165691-
 ID=NCLIV_015650 + 2 A..ATG
 173105,174185,1081
 174901,177665,2765
 ID=NCLIV_015660 + 7 A..ATG
 179714,180564,851,END:Starts:178349-180051-178738-
 181080,181158,79,EXACT,AG-GT
 181853,181939,87,EXACT,AG-GT
 182215,182379,165,EXACT,AG-GT
 182769,182826,58,EXACT,AG-GT
 183383,183461,79,EXACT,AG-GT

183740,185039,1300,START:Ends:183785-185516-183776-
ID=NCLIV_015670 + 4 A..ATG
189611,195505,5895,END:Starts:188035-188032-191328-
195977,196182,206,EXACT,AG-GT
196534,196833,300,EXACT,AG-GT
197369,197546,178,START:Ends:199303-199361-199402-
ID=NCLIV_015680 + 12 A..ATG
202356,205788,3433,END:Starts:203815-203800-203805-
206098,206396,299,EXACT,AG-GT
206839,207578,740,EXACT,AG-GT
207832,207911,80,EXACT,AG-GT
208253,208737,485,EXACT,AG-GT
209192,209310,119,EXACT,AG-GT
209863,210691,829,EXACT,AG-GT
210995,211631,637,EXACT,AG-GT
212165,212217,53,EXACT,AG-GT
212418,212689,272,EXACT,AG-GT
212908,213045,138,EXACT,AG-GT
213309,214815,1507,START:Ends:215439-215449-215477-
ID=NCLIV_015690 + 3 A..ATG
217464,221829,4366
221926,221957,32
222369,222392,24
ID=NCLIV_015700 + 5 A..ATG
231409,231942,534
233332,233961,630
234393,234737,345
235588,235827,240
237191,237724,534
ID=NCLIV_015710 + 2 GCCATGA
241209,242985,1777,END:Starts:240127-240183-240401-
243310,244700,1391,START:Ends:245225-243589-243600-
ID=NCLIV_015730 + 2 A..ATG
252476,253584,1109,END:EXACT
254078,254234,157,START:Ends:254578-255117-254867-
ID=NCLIV_015740 + 12 A..ATG
258013,259832,1820
260187,260326,140
260961,261047,87
261742,262103,362,END: start 8 GT
262721,262858,138,EXACT,AG-GT
263521,263631,111,EXACT,AG-GT
264185,265015,831,END: start 759 GT
265462,265654,193,EXACT,AG-GT
266077,267248,1172,EXACT,AG-GT
267581,267661,81,START: end -44 AG
268042,268743,702,WITHIN: start 246 and end -8 AG
269147,272773,3627
ID=NCLIV_015760 + 5 A..ATG
283089,284015,927
284324,284519,196
284829,285104,276
285540,286420,881
286758,287714,957
ID=NCLIV_015780 + 10 GCCATGA
296737,296978,242
297335,297396,62
298155,298252,98
298975,299090,116,END: start -209 GT
299797,299885,89,EXACT,GT

300496,300701,206,START: end -48 AG-GT
 301053,301182,130
 301482,301545,64,END: start -106 GT
 301897,302062,166,EXACT,AG-GT
 302534,302677,144,START:Ends:303212-303253-303200-
 ID=NCLIV_015800 + 10 A..ATG
 324783,324827,45
 325247,328054,2808
 328686,331302,2617,END: start -2679 GT (ref:AG-GT)<< Possible error
 331656,332002,347,EXACT,AG-GT
 332471,333104,634,EXACT,TAG|TGA|TAA:AG-GT
 333516,334150,635,START: end 273 AG
 334841,334900,60
 335507,335624,118
 335796,336973,1178
 337608,338411,804
 ID=NCLIV_015810 + 2 [CT]..ATG[ACT]
 340868,341501,634
 341832,345439,3608
 ID=NCLIV_015820 + 9 A..ATG
 349009,353601,4593
 354032,354409,378
 355248,355403,156
 355965,356062,98
 356572,356716,145
 357085,358451,1367
 359101,359296,196,END: start 15 GT (ref:AG-GT)<< Possible error
 360091,360209,119,EXACT,AG-GT
 360674,360851,178,START:Ends:360881-360897-
 ID=NCLIV_015840 + 1 A..ATG
 395569,396420,852
 ID=NCLIV_015850 + 3 TCAATGG
 399862,400372,511,END:Starts:398505-399014-
 401232,401311,80,START: end 3220 AG
 401474,402631,1158,OVER:Ends:402345-404531-
 ID=NCLIV_015860 + 2 G..ATGG
 405402,405466,65,END:Starts:404727-404734-404769-
 405926,406292,367
 ID=NCLIV_015880 + 3 A..ATG
 413027,413119,93,END:EXACT
 413392,413726,335,EXACT,AG-GT
 414097,414259,163,START:Ends:414550-414588-414541-
 ID=NCLIV_015890 + 11 GAGATGC
 416449,416614,166
 417053,417159,107
 417595,417707,113
 418264,418427,164
 418865,418929,65
 419572,419620,49
 420725,420794,70
 421296,421360,65
 421728,421780,53
 422598,422703,106
 423145,423554,410
 ID=NCLIV_015900 + 3 [CT]..ATG[ACT]
 425563,430210,4648
 430386,430478,93,END: start 1 GT (ref:AG-GT)<< Possible error
 430847,431073,227,START:Ends:431751-431736-431942-
 ID=NCLIV_015960 + 5 A..ATG
 480176,481513,1338,END:Starts:478179-480007-

482489,482944,456,END: start 424 GT
 483534,484949,1416,EXACT,AG-GT
 485447,485795,349,EXACT,AG-GT
 486616,486764,149,START:Ends:488082-488209-
 ID=NCLIV_015970 + 5 A..ATG
 490097,490129,33,END:Starts:489620-490062-489649-
 490877,491038,162,EXACT,AG-GT
 491619,491792,174,EXACT,AG-GT
 492277,492591,315,EXACT,AG-GT
 493258,493362,105,START:Ends:494028-494005-494120-
 ID=NCLIV_015990 + 3 A..ATG
 499722,499842,121,END:Starts:499581-499514-499580-
 501043,501118,76,EXACT,AG-GT
 501962,502058,97,START:Ends:502451-502447-502407-
 ID=NCLIV_016000 + 7 [CT]..ATG[ACT]
 505969,506778,810
 507259,508415,1157
 508746,509337,592
 509924,510110,187
 510291,511355,1065,START: end 96 AG
 511951,512081,131
 512554,512793,240
 ID=NCLIV_016040 + 6 G..ATGG
 562041,563336,1296,END:Starts:561896-559669-
 563731,563846,116,EXACT,AG-GT
 564115,565105,991,EXACT,AG-GT
 565348,566557,1210,EXACT,AG-GT
 567265,567308,44,EXACT,AG-GT
 567947,568282,336
 ID=NCLIV_016070 + 6 CCGATGG
 600820,600866,47
 601457,601571,115
 601628,601989,362
 602044,603140,1097
 603193,603386,194
 603525,603743,219
 ID=NCLIV_016080 + 8 A..ATG
 605032,607320,2289,END:Starts:604656-604571-
 607952,608122,171,EXACT,AG-GT
 608536,608685,150,EXACT,AG-GT
 609458,609525,68,EXACT,AG-GT
 610002,611286,1285,START: end -3 AG
 611807,612008,202,END: start 5 GT (ref:AG-GT)<< Possible error
 612462,612794,333,EXACT,AG-GT
 613188,613432,245,START:Ends:614299-614242-614227-
 ID=NCLIV_016120 + 4 A..ATG
 658723,658923,201,END:Starts:658142-658146-658153-
 659343,659498,156,EXACT,AG-GT
 660215,660388,174,EXACT,AG-GT
 660793,661020,228,START:Ends:661277-661298-661156-
 ID=NCLIV_016130 + 5 A..ATG
 662893,663144,252
 663674,663757,84
 663971,664280,310
 664751,664890,140
 665315,665554,240
 ID=NCLIV_0161+ 5 [CT]..ATG[ACT]
 668250,668747,498
 669506,669692,187
 670466,670776,311

671381,671431,51
 672085,672150,66
 ID=NCLIV_016150 + 1 A..ATG
 674487,675632,1146
 ID=NCLIV_016170 + 4 A..ATG
 691475,691568,94
 692127,692193,67
 692601,692652,52
 693153,693317,165
 ID=NCLIV_016200 + 1 A..ATG
 710713,717396,6684
 ID=NCLIV_016220 + 1 G..ATGG
 729111,730835,1725,OVER:Ends:731068-731063-
 ID=NCLIV_016230 + 1 G..ATGG
 733832,735646,1815
 ID=NCLIV_016250 + 6 TCAATGG
 746972,747227,256,END:Starts:746259-746327-746636-
 747550,747656,107,EXACT,AG-GT
 748180,748648,469,EXACT,AG-GT
 748936,749098,163,EXACT,AG-GT
 749487,749679,193,START: end 761 AG
 750089,750154,66,OVER:Ends:750374-750440-751341-
 ID=NCLIV_016260 + 3 [CT]..ATG[ACT]
 750527,750637,111
 750698,750827,130
 750880,751034,155
 ID=NCLIV_016290 + 4 CTCATGG
 755566,756636,1071
 757221,757345,125
 757490,757559,70
 757708,758853,1146
 ID=NCLIV_016310 + 4 A..ATG
 764168,764400,233,END:Starts:763626-763601-
 764749,764942,194,START: end -129 AG
 765280,765410,131
 765861,765911,51
 ID=NCLIV_016320 + 22 G..ATGG
 769609,770872,1264
 771587,771779,193,EXACT,AG-GT
 772039,772193,155,START: end 59 AG
 772745,772893,149
 773355,773878,524
 774307,774510,204
 774931,775011,81
 775536,776456,921
 776727,776805,79
 777789,778244,456,EXACT,AG-GT
 778574,779448,875,END: start 640 GT
 779735,780574,840,END: start 617 GT
 781292,781563,272,EXACT,AG-GT
 781849,781997,149,EXACT,AG-GT
 782256,782804,549,EXACT,AG-GT
 783637,784067,431,EXACT,AG-GT
 784469,784671,203,EXACT,AG-GT
 784996,785319,324,EXACT,AG-GT
 786294,786384,91,EXACT,Info:AG-GC-AG-GT-
 786676,786800,125
 787239,787425,187
 787826,788012,187,START:Ends:789671-789689-
 ID=NCLIV_016340 + 8 A..ATG

796736,796864,129,END:EXACT
 797298,797360,63,EXACT,AG-GT
 797757,797846,90,EXACT,AG-GT
 798269,798366,98,EXACT,AG-GT
 798876,798943,68,EXACT,AG-GT
 799047,799114,68
 799614,799667,54,END: start -44 AG-GT (ref:AG-GT)<< Possible error
 799966,800109,144,START:Ends:800604-800706-800613-
 ID=NCLIV_016370 + 6 [CT]..ATG[ACT]
 816222,816977,756
 817728,817929,202,EXACT,ATG:AG-GT
 818413,818528,116,EXACT,AG-GT
 818977,819054,78,EXACT,AG-GT
 821511,822782,1272
 823084,824556,1473
 ID=NCLIV_016400 + 1 TGCATGG
 836465,837028,564,OVER:Starts:837101-835209-833159-
 ID=NCLIV_016410 + 5 [CT]..ATG[ACT]
 837242,837366,125,END:Starts:837101-835209-833159-
 837739,837893,155,EXACT,AG-GT
 838145,838434,290,EXACT,AG
 838776,838985,210
 839236,839250,15
 ID=NCLIV_016420 + 11 A..ATG
 841228,841308,81,END:Starts:840763-840756-
 841641,841977,337,EXACT,AG-GT
 842298,842494,197,EXACT,AG-GT
 842711,843492,782,EXACT,AG-GT
 843954,844087,134,EXACT,AG-GT
 844357,844496,140,EXACT,AG-GT
 844926,845052,127,EXACT,AG-GT
 845344,845453,110,EXACT,AG-GT
 845868,845965,98,EXACT,AG-GT
 846267,846351,85,EXACT,AG-GT
 846805,846897,93,START:Ends:847159-847351-847340-
 ID=NCLIV_016440 + 1 A..ATG
 864211,867153,2943
 ID=NCLIV_016460 + 2 A..ATG
 883655,885091,1437
 886177,887823,1647
 ID=NCLIV_016470 + 3 [CT]..ATG[ACT]
 892346,892533,188
 892847,892995,149
 893295,894664,1370
 ID=NCLIV_016490 + 10 A..ATG
 907435,909315,1881
 909554,909699,146,END: start 18 AG-GT (ref:AG-GT)<< Possible error
 909834,909941,108,EXACT,AG-GT
 910304,910400,97,EXACT,AG-GT
 910759,910820,62,EXACT,AG-GT
 910981,911127,147,EXACT,AG-GT
 911550,911745,196,EXACT,AG-GT
 912369,912443,75,EXACT,AG-GT
 913037,913189,153,EXACT,AG-GT
 914057,915835,1779,START:Ends:917662-918259-
 ID=NCLIV_016500 + 6 GAGATGC
 920397,920450,54
 920762,920902,141,EXACT,AG-GT
 921570,921712,143,END: start -104 AG
 921854,921944,91,EXACT,AG-GT

922339,922395,57
 922654,922773,120,START:Ends:923257-923265-
 ID=NCLIV_016510 + 7 G..ATGG
 926524,927603,1080
 927963,928467,505
 929023,929091,69
 929493,929629,137
 930855,931018,164
 931572,931888,317
 932554,932864,311
 ID=NCLIV_016520 + 6 A..ATG
 942242,942324,83,END:EXACT
 942509,942684,176,EXACT,AG-GT
 943018,943142,125,EXACT,AG-GT
 943468,943545,78,EXACT,AG-GT
 944049,944159,111,EXACT,AG-GT
 944454,946220,1767,START:Ends:946598-946727-946591-
 ID=NCLIV_016530 + 2 A..ATG
 953647,953861,215,END:Starts:953772-952885-953662-
 954439,954490,52,START:Ends:955660-955568-955366-
 ID=NCLIV_016550 + 4 A..ATG
 980926,981549,624,END:Starts:978723-978922-980083-
 981746,981922,177,EXACT,AG-GT
 982495,982779,285,START: end 2953 AG
 983489,984004,516,OVER:Ends:985099-985732-990412-
 ID=NCLIV_016590 + 28 [CT]..ATG[ACT]
 1018765,1025140,6376,END:Starts:1018113-1015259-1022550-
 1025518,1025692,175,EXACT,AG-GT
 1026164,1026302,139,EXACT,AG-GT
 1027205,1027293,89,END: start -51 AG-GT
 1027707,1027954,248,START: end -12 AG
 1028075,1028411,337,END: start -3 GT (ref:AG-GT)<< Possible error
 1029042,1029372,331,EXACT,AG-GT
 1029929,1030016,88,EXACT,AG-GT
 1030302,1030491,190,EXACT,AG-GT
 1030922,1031086,165,START: end -6 AG
 1031415,1031507,93
 1032153,1032235,83,END: start -1 GT (ref:AG-GT)<< Possible error
 1032592,1033209,618,EXACT,AG-GT
 1033703,1033795,93,EXACT,AG-GT
 1034338,1034589,252,EXACT,AG-GT
 1034973,1035149,177,EXACT,AG-GT
 1035495,1035676,182,START: end -28 AG
 1036106,1036160,55
 1036666,1036807,142,END: start 8 GT (ref:AG-GT)<< Possible error
 1037019,1037128,110,EXACT,AG-GT
 1037872,1038077,206,EXACT,AG-GT
 1038278,1038454,177,EXACT,AG-GT
 1038843,1039174,332,EXACT,AG-GT
 1039603,1039725,123,EXACT,AG-GT
 1040028,1040230,203,EXACT,AG-GT
 1040700,1040867,168,EXACT,AG-GT
 1041254,1041349,96,EXACT,AG-GT
 1041850,1042247,398,START:Ends:1042516-1044040-1042509-
 ID=NCLIV_016610 + 1 A..ATG
 1058763,1059923,1161,OVER:Starts:1057991-1057917-
 ID=NCLIV_016640 + 1 A..ATG
 1081634,1082881,1248
 ID=NCLIV_016660 + 1 [CT]..ATG[ACT]
 1087997,1089169,1173

ID=NCLIV_016700 + 3 A..ATG
1096910,1097425,516,END:Starts:1096504-1096525-1096549-
1097610,1097732,123,END: start -9 AG-GT (ref:CA-GT)<< Possible error
1098124,1098363,240,START:Ends:1098509-1098512-1098528-

ID=NCLIV_016720 + 2 G..ATGG
1104576,1105496,921,END:Starts:1104519-1104517-1104493-
1105657,1105926,270,START:Ends:1106909-1106951-1106879-

ID=NCLIV_016730 + 9 G..ATGG
1112306,1112390,85
1112446,1112567,122
1112625,1112664,40
1112725,1112755,31
1112807,1112949,143
1113007,1113090,84
1113145,1113226,82
1113297,1113376,80
1113435,1113517,83

ID=NCLIV_016750 + 1 A..ATG
1119503,1119736,234

ID=NCLIV_016770 + 5 CCGATGG
1123958,1124308,351,END:Starts:1121804-1121720-1124025-
1124422,1124589,168,EXACT,AG-GT
1124922,1125503,582,EXACT,ATG:AG-GT
1125722,1125946,225,EXACT,AG-GT
1126598,1126747,150,OVER:Ends:1127390-1127894-1127504-

ID=NCLIV_016800 + 10 TTGATGG
1138001,1138003,3,END:Starts:1137663-1137683-1137694-
1138207,1138293,87,EXACT,AG-GT
1138622,1138843,222,EXACT,AG-GT
1138944,1139195,252,START: end -7 AG
1139409,1139669,261,OVER: start -3 and end 694 GT
1139952,1140166,215,OVER: start -2 and end 197 GT
1140258,1140363,106,END: start -308 GT
1140492,1140726,235,EXACT,AG-GT
1140825,1140920,96,EXACT,AG-GT
1141031,1141284,254,START:Ends:1141651-1141652-1141592-

ID=NCLIV_016820 + 7 A..ATG
1142964,1143053,90
1143115,1143192,78
1143249,1143261,13
1143321,1143340,20
1143396,1143433,38
1143494,1143555,62
1143608,1143645,38

ID=NCLIV_016830 + 8 A..ATG
1145235,1145253,19,END:Starts:1144964-1144963-1145075-
1145404,1145497,94,EXACT,AG-GT
1145605,1145767,163,START: end 339 AG-GT (ref:AG-GT)<< Possible error
1146265,1146318,54,EXACT,AG-GT
1146584,1146663,80,EXACT,AG-GT
1147155,1147251,97,END: start -37 AG-GT
1147567,1147639,73,EXACT,AG-GT
1148189,1148208,20

ID=NCLIV_016840 + 6 A..ATG
1152713,1152788,76,END:EXACT
1153128,1153387,260,EXACT,AG-GT
1153866,1154052,187,EXACT,AG-GT
1154329,1154541,213,EXACT,AG-GT
1154950,1155089,140,EXACT,AG-GT
1155708,1155806,99,START:Ends:1156399-1156402-1156453-

ID=NCLIV_016870 + 4 CCAATGG
1178477,1178703,227,END:Starts:1178347-1178156-1178194-
1178898,1179001,104,EXACT,AG-GT
1179100,1179229,130,EXACT,AG-GT
1179390,1179504,115,START:Ends:1180580-1180631-1180638-

ID=NCLIV_016890 + 9 A..ATG
1190396,1190821,426
1191318,1191459,142,END: start 1 GT (ref:AG-GT)<< Possible error
1191955,1192166,212,EXACT,AG-GT
1192737,1192838,102,EXACT,AG-GT
1193475,1193637,163,EXACT,AG-GT
1194173,1194626,454,END: start 26 AG-GT (ref:AG-GT)<< Possible error
1195225,1195412,188,EXACT,AG-GT
1195865,1195960,96,EXACT,AG-GT
1196454,1196509,56,START:Ends:1196828-1196575-

ID=NCLIV_016900 + 24 A..ATG
1199312,1199356,45,END:Starts:1198409-1198245-1198995-
1199519,1199621,103,EXACT,AG-GT
1200109,1200164,56,EXACT,AG-GT
1200473,1200638,166,EXACT,AG-GT
1201012,1201083,72,START: end -17 AG
1202091,1202134,44
1202787,1202873,87,END: start -2 GT
1203412,1203553,142,START: end -54 AG
1203882,1203939,58,END: start -2 GT
1204152,1204210,59,EXACT,AG-GT
1204764,1204915,152,EXACT,AG-GT
1205249,1205332,84,EXACT,AG-GT
1205497,1205554,58,EXACT,AG-GT
1206341,1206392,52,EXACT,AG-GT
1207352,1207387,36,EXACT,AG-GT
1207652,1207738,87,EXACT,AG-GT
1208065,1208303,239,EXACT,AG-GT
1208696,1208847,152,EXACT,AG-GT
1209664,1209843,180,START: end -19 AG-GC
1210062,1210202,141,END: start 3 GT (ref:AG-GT)<< Possible error
1210782,1211226,445,EXACT,AG-GT
1211764,1211822,59,EXACT,AG-GT
1212649,1212753,105,EXACT,AG-GT
1213405,1213467,63,START:Ends:1213893-1214948-

ID=NCLIV_016920 + 22 A..ATG
1219643,1219670,28,END:Starts:1219030-1219023-
1220143,1220274,132,EXACT,AG-GT
1220620,1220778,159,EXACT,AG-GT
1221460,1221552,93,EXACT,AG-GT
1221841,1221938,98,EXACT,AG-GT
1222382,1222504,123,EXACT,AG-GT
1222785,1222874,90,EXACT,AG-GT
1223899,1223999,101,EXACT,AG-GT
1224737,1224779,43,EXACT,AG-GT
1225176,1225307,132,EXACT,AG-GT
1225691,1225756,66,EXACT,AG-GT
1226182,1226265,84,EXACT,AG-GT
1226839,1226933,95,EXACT,AG-GT
1227602,1227677,76,EXACT,AG-GT
1228217,1228277,61,EXACT,AG-GT
1228494,1228534,41,EXACT,AG-GT
1228810,1228929,120,EXACT,AG-GT
1229541,1229596,56,EXACT,AG
1230408,1230451,44

1231170,1231231,62
 1231762,1231891,130
 1232622,1232638,17
 ID=NCLIV_016940 + 2 A..ATG
 1238506,1238638,133
 1239090,1239307,218
 ID=NCLIV_016960 + 4 G..ATGG
 1244072,1244252,181
 1245080,1245190,111
 1245780,1246123,344
 1246942,1247073,132
 ID=NCLIV_016970 + 1 G..ATGG
 1251312,1253051,1740
 ID=NCLIV_016990 + 12 A..ATG
 1258644,1258979,336
 1259269,1259328,60
 1260032,1260421,390
 1260878,1261012,135
 1261561,1261625,65,END: start -58 GT
 1261825,1261903,79,EXACT,AG-GT
 1262482,1262574,93,EXACT,AG-GT
 1263439,1263563,125,START: end -18 AG
 1263975,1264069,95
 1264206,1264266,61
 1264648,1264717,70
 1265296,1265388,93
 ID=NCLIV_017000 + 7 A..ATG
 1267617,1267787,171,END:Starts:1265832-1266849-1265802-
 1268213,1268280,68,EXACT,AG-GT
 1268709,1269109,401,EXACT,AG-GT
 1269757,1269927,171,EXACT,AG-GT
 1270148,1270347,200,EXACT,AG-GT
 1271105,1271256,152,EXACT,AG-GT
 1271796,1272423,628,START:Ends:1274033-1274034-1274178-
 ID=NCLIV_017020 + 20 A..ATG
 1278839,1279146,308
 1279624,1279763,140,END: start 11 GT (ref:AG-GT)<< Possible error
 1280278,1280430,153,EXACT,AG-GT
 1280689,1280743,55,EXACT,AG-GT
 1280966,1281081,116,EXACT,AG-GT
 1281377,1281419,43,EXACT,AG-GT
 1281653,1281809,157,EXACT,AG-GT
 1282116,1282208,93,EXACT,AG-GT
 1282620,1282816,197,EXACT,AG-GT
 1283147,1283247,101,EXACT,GT
 1283565,1283774,210,EXACT,AG-GT
 1283877,1284002,126,EXACT,AG-GT
 1284488,1284716,229,EXACT,AG-GT
 1285081,1285174,94,EXACT,AG-GT
 1285393,1285513,121,EXACT,AG-GT
 1286009,1286223,215,EXACT,AG-GT
 1286513,1286647,135,EXACT,AG-GT
 1287615,1287722,108,EXACT,AG-GT
 1288198,1288314,117,EXACT,AG-GT
 1288881,1288937,57,START:Ends:1289315-1289268-1289351-
 ID=NCLIV_017030 + 5 A..ATG
 1293420,1293423,4
 1294298,1295388,1091
 1295876,1295978,103
 1296426,1296661,236

1296917,1298122,1206
 ID=NCLIV_017040 + 19 G..ATGG
 1312764,1312797,34,END:Starts:1310137-1311053-
 1313711,1314090,380,EXACT,AG-GT
 1314328,1314562,235,EXACT,AG
 1315177,1315361,185,END: start -407 GT (ref:AG-GT)<< Possible error
 1315588,1315698,111,EXACT,AG-GT
 1316283,1316528,246,EXACT,AG-GT
 1316966,1317250,285,EXACT,AG-GT
 1318016,1318123,108,EXACT,AG-GT
 1318623,1318800,178,EXACT,AG-GT
 1319531,1319730,200,EXACT,AG
 1320242,1320394,153,EXACT,GT
 1320647,1321289,643,EXACT,AG-GT
 1321720,1321880,161,EXACT,AG-GT
 1322513,1322773,261,EXACT,AG-GT
 1323179,1323319,141,EXACT,AG-GT
 1323913,1324094,182,EXACT,AG-GT
 1324499,1324783,285,START: end 260 AG-GT
 1324970,1325043,74,END: start -471 AG-GT
 1325357,1325697,341,START:Ends:1327195-1327174-1327233-
 ID=NCLIV_017080 + 1 [CT]..ATG[ACT]
 1365035,1366798,1764
 ID=NCLIV_017100 + 9 [CT]..ATG[ACT]
 1374914,1374941,28,END:Starts:1373709-1372907-
 1375644,1375953,310,END: start -35 GT
 1376552,1376922,371,EXACT,AG-GT
 1377340,1377428,89,START: end -22 AG
 1377834,1377901,68,END: start -316 GT
 1378076,1378376,301,START: end -75 AG-GC (ref:AG-GT)<< Possible error
 1378700,1379031,332,EXACT,AG-GT
 1379494,1379745,252,EXACT,TAG|TGA|TAA:AG-GT
 1380164,1380317,154,START:Ends:1380806-1380691-1381087-
 ID=NCLIV_017110 + 8 A..ATG
 1384065,1384430,366,END:Starts:1381262-1382543-1382598-
 1384875,1385133,259,EXACT,AG-GT
 1385976,1389107,3132,EXACT,AG-GT
 1389515,1389587,73,EXACT,AG-GT
 1390181,1390280,100,EXACT,AG-GT
 1390857,1390947,91,EXACT,AG-GT
 1391440,1391515,76,EXACT,TAG|TGA|TAA:AG-GT
 1391761,1391926,166,START:Ends:1393476-1393088-1393578-
 ID=NCLIV_0171+ 1 A..ATG
 1394569,1397520,2952
 ID=NCLIV_017140 + 1 TCCATGG
 1402494,1403057,564
 ID=NCLIV_017150 + 2 [CT]..ATG[ACT]
 1407257,1408748,1492
 1409829,1411411,1583
 ID=NCLIV_017160 + 1 G..ATGG
 1414452,1415645,1194
 ID=NCLIV_017170 + 10 A..ATG
 1419409,1421501,2093
 1422221,1422278,58,EXACT,AG
 1422821,1422917,97
 1423308,1423953,646
 1424399,1424511,113
 1425068,1425192,125,OVER: start -70 and end 841 GT
 1425566,1426033,468,END: start -568 GT
 1426201,1426261,61,EXACT,AG

1426877,1426940,64,EXACT,AG-GT
 1427850,1428456,607,START:Ends:1428724-1428814-1429943-
 ID=NCLIV_017190 + 4 A..ATG
 1437931,1438145,215
 1438995,1439587,593
 1440245,1440352,108
 1440816,1441132,317
 ID=NCLIV_017200 + 2 A..ATG
 1449260,1452037,2778,END:Starts:1448067-1448048-1448080-
 1453604,1454047,444,START:EXACT
 ID=NCLIV_017220 + 2 CCTATGG
 1468892,1469275,384
 1469497,1470642,1146
 ID=NCLIV_017230 + 1 A..ATG
 1481227,1482186,960
 ID=NCLIV_017240 + 1 A..ATG
 1488347,1489228,882
 ID=NCLIV_017260 + 6 A..ATG
 1498082,1498970,889,END:Starts:1497291-1497285-1497297-
 1499580,1499701,122,EXACT,AG-GT
 1500170,1500234,65,EXACT,AG-GT
 1500572,1500708,137,EXACT,AG-GT
 1501330,1501404,75,EXACT,AG-GT
 1501916,1501977,62,START:Ends:1503481-1503449-1505819-
 ID=NCLIV_017290 + 10 A..ATG
 1533314,1533543,230
 1533850,1534017,168
 1534838,1534924,87
 1535399,1535483,85
 1536005,1536126,122,END: start 6 GT
 1536609,1536995,387,EXACT,AG-GT
 1537514,1538056,543,EXACT,AG
 1538388,1538493,106
 1538779,1539900,1122,END: start 1096 GT
 1540419,1540820,402,START:Ends:1541081-1540988-
 ID=NCLIV_017310 + 7 A..ATG
 1560586,1560622,37,END:Starts:1559630-1559642-
 1560910,1561059,150,EXACT,AG-GT
 1561735,1561768,34,START: end 112 AG
 1562225,1562254,30,EXACT,GT
 1562751,1562817,67,EXACT,AG-GT
 1563408,1563488,81,EXACT,AG-GT
 1564152,1564283,132,START:Ends:1565446-1565465-1565442-
 ID=NCLIV_017340 + 4 GCAATGC
 1582167,1584379,2213
 1584822,1585672,851
 1586274,1586556,283
 1587045,1587807,763
 ID=NCLIV_017360 + 10 G..ATGG
 1600974,1605689,4716
 1606084,1606998,915
 1607483,1610092,2610
 1610657,1610824,168
 1611310,1611786,477
 1611871,1612405,535
 1612775,1614555,1781
 1614931,1615197,267
 1615537,1615706,170
 1616311,1616641,331
 ID=NCLIV_017380 + 6 A..ATG

1630300,1630510,211,END:Starts:1629825-1629857-1629852-
 1630894,1630946,53,EXACT,AG-GT
 1631605,1631664,60,EXACT,AG-GT
 1631984,1632112,129,EXACT,AG-GT
 1632826,1633053,228,EXACT,AG-GT
 1633432,1633599,168,START:EXACT
 ID=NCLIV_017390 + 1 A..ATG
 1637442,1638476,1035
 ID=NCLIV_017400 + 1 A..ATG
 1639570,1640511,942,OVER:Ends:1641428-1641719-1641465-
 ID=NCLIV_017410 + 1 A..ATG
 1643205,1644881,1677
 ID=NCLIV_017420 + 1 A..ATG
 1647494,1649155,1662
 ID=NCLIV_017430 + 1 A..ATG
 1651507,1653183,1677
 ID=NCLIV_017440 + 1 A..ATG
 1655296,1656966,1671
 ID=NCLIV_017460 + 2 GCGATGA
 1671794,1672298,505,END:Starts:1670529-1670306-1671134-
 1673027,1673235,209,START:Ends:1674334-1675167-1675183-
 ID=NCLIV_017470 + 8 A..ATG
 1676132,1676210,79,END:Starts:1675375-1675278-1675369-
 1677409,1677521,113,EXACT,AG-GT
 1678004,1678127,124,EXACT,AG-GT
 1678859,1678972,114,EXACT,AG-GT
 1679217,1679428,212,START: end -129 AG-GC (ref:AG-GT)<< Possible error
 1679726,1679752,27,EXACT,AG-GT
 1680162,1680325,164,START: end -1 AG
 1680640,1680697,58
 ID=NCLIV_017480 + 2 A..ATG
 1683624,1683734,111
 1684497,1685321,825
 ID=NCLIV_017510 + 3 A..ATG
 1707822,1707877,56,END:Starts:1702558-1707724-1707722-
 1708456,1708555,100,EXACT,AG-GT
 1709091,1709099,9,START:Ends:1709305-1709309-1709306-
 ID=NCLIV_017530 + 5 A..ATG
 1729489,1729604,116
 1729732,1729862,131
 1730230,1730270,41
 1731618,1731831,214
 1732352,1733574,1223
 ID=NCLIV_0175+ 11 CCAATGG
 1758777,1758944,168
 1759472,1759504,33
 1760030,1760183,154
 1760419,1761012,594
 1761346,1761679,334,END: start 196 GT
 1761995,1764877,2883,START: end -1855 AG
 1765357,1765621,265
 1766302,1766481,180
 1767041,1767172,132
 1767719,1767851,133
 1768106,1772934,4829
 ID=NCLIV_017620 + 5 A..ATG
 1810993,1811262,270
 1811321,1811413,93
 1811505,1811577,73
 1811634,1811950,317

1812091,1812240,150
 ID=NCLIV_017650 + 20 CCCATGG
 1839754,1839849,96
 1840591,1842208,1618,END: start 1091 GT (ref:AG-GT)<< Possible error
 1842826,1845876,3051
 1846242,1846601,360
 1846836,1847137,302
 1847772,1851586,3815,END: start 3223 GT
 1851716,1852370,655,EXACT,AG
 1852768,1853371,604
 1853736,1861272,7537,END: start 1691 GT (ref:AG-GT)<< Possible error
 1861708,1864935,3228,END: start 2239 AG-GT
 1865571,1868064,2494,START: end -36 AG-GC (ref:AG-GT)<< Possible error
 1868227,1868625,399,EXACT,AG-GT
 1868879,1869446,568,START: end -21 AG
 1870820,1870940,121,END: start 19 GT (ref:AG-GT)<< Possible error
 1871239,1871685,447,EXACT,AG-GT
 1871929,1871999,71,EXACT,AG-GT
 1872461,1872841,381,EXACT,AG-GT
 1873201,1873317,117,EXACT,AG-GT
 1873793,1874001,209,START: end -17 AG
 1874485,1875102,618
 ID=NCLIV_017670 + 1 A..ATG
 1894778,1895515,738
 ID=NCLIV_017700 + 4 A..ATG
 1914932,1914977,46,END:EXACT
 1915958,1916089,132,EXACT,AG-GT
 1916510,1916832,323,EXACT,AG-GT
 1917180,1917263,84,START:Ends:1918625-1918635-1919125-
 ID=NCLIV_017730 + 4 A..ATG
 1945052,1945459,408,OVER:EXACT
 1945755,1945939,185,EXACT,AG-GT
 1946332,1946494,163,EXACT,AG-GT
 1947342,1947560,219,START:Ends:1948522-1948534-1948529-
 ID=NCLIV_017740 + 1 CCGATGG
 1951018,1951668,651
 ID=NCLIV_017750 + 5 A..ATG
 1954471,1956445,1975
 1957372,1958746,1375
 1959422,1967357,7936
 1967980,1969602,1623
 1970282,1970344,63
 ID=NCLIV_017770 + 17 A..ATG
 1987856,1988434,579
 1988911,1989128,218
 1989642,1989795,154
 1990138,1990369,232,END: start 20 GT
 1990665,1993021,2357,START: end -2102 AG
 1993490,1995554,2065,END: start 1587 GT
 1996058,1998379,2322,END: start 1330 GT
 1998703,2000123,1421,START: end -1034 AG
 2000511,2000767,257
 2001485,2001763,279,END: start 23 GT
 2002043,2002200,158,EXACT,AG-GT
 2002616,2003447,832,START: end 129 AG
 2003875,2003992,118,END: start -147 GT
 2004350,2004430,81,EXACT,AG-GT
 2004895,2005050,156,EXACT,AG-GT
 2005330,2005478,149,EXACT,AG-GT
 2005949,2006321,373,START:Ends:2007192-2007009-2007069-

ID=NCLIV_017780 + 31 G..ATGG
2010781,2010786,6,END:Starts:2009074-2009322-
2011757,2011837,81
2012239,2012301,63
2012711,2012773,63
2012943,2013026,84
2013917,2015239,1323,END: start 76 GT
2015371,2015409,39,START: end -2 AG
2016038,2016103,66
2016234,2016284,51
2016806,2016991,186,EXACT,AG-GT
2017300,2017419,120,EXACT,AG-GT
2017878,2017925,48,EXACT,AG-GT
2018610,2018717,108,EXACT,AG-GT
2019391,2019447,57,START: end -13 AG
2019792,2019908,117
2020218,2020250,33,EXACT,GT
2020376,2020471,96,EXACT,AG-GT
2020776,2020826,51,EXACT,AG-GT
2021501,2021605,105,EXACT,AG-GT
2022132,2022173,42,EXACT,AG
2022393,2022497,105
2022776,2022826,51
2023518,2023616,99
2023867,2023914,48
2024286,2024393,108,END: start 13 GT
2024829,2024990,162,EXACT,AG-GT
2025476,2025526,51,EXACT,AG
2025974,2026072,99,EXACT,GT
2026704,2027068,365,EXACT,AG-GT
2027602,2028154,553,START: end -15 AG
2028750,2029634,885
ID=NCLIV_017810 + 4 [CT]..ATG[ACT]
2037745,2038778,1034
2039160,2039244,85
2039426,2039509,84
2039921,2040331,411
ID=NCLIV_017840 + 1 A..ATG
2065437,2065796,360
ID=NCLIV_017860 + 14 A..ATG
2083565,2083828,264,END:EXACT
2084351,2084403,53,EXACT,AG-GT
2084805,2084882,78,EXACT,AG-GT
2085637,2085715,79,EXACT,AG-GT
2086097,2086274,178,START: end -103 AG-GT
2087397,2087493,97,EXACT,AG-GT
2088038,2088284,247,EXACT,AG-GT
2088893,2088991,99,EXACT,AG-GT
2089150,2089237,88,EXACT,AG-GT
2089510,2089676,167,EXACT,AG-GT
2090284,2090382,99,EXACT,AG-GT
2090689,2090730,42,EXACT,AG-GT
2091111,2091170,60,EXACT,AG-GT
2091578,2091757,180,START:Ends:2092626-2092648-2092372-
ID=NCLIV_017880 + 17 A..ATG
2099111,2101828,2718,END:Starts:2101542-2097855-2100296-
2102329,2103039,711,EXACT,AG-GT
2103759,2105814,2056,EXACT,AG-GT
2106156,2106328,173,EXACT,AG-GT
2106611,2106938,328,EXACT,AG-GT

2107309,2107724,416,EXACT,AG-GT
 2108089,2108199,111,EXACT,AG-GT
 2108574,2108877,304,EXACT,AG-GT
 2109675,2110192,518,START: end -5 AG
 2110545,2111062,518
 2111110,2111131,22,OVER: start -31 and end 385 GT
 2111253,2111516,264,END: start -174 GT
 2112477,2112846,370,EXACT,AG-GT
 2113664,2114436,773,EXACT,AG-GT
 2115170,2115333,164,EXACT,AG-GT
 2115644,2115956,313,EXACT,AG-GT
 2116551,2116688,138,START:Ends:2117037-2117057-2116959-
 ID=NCLIV_017890 + 1 [CT]..ATG[ACT]
 2118858,2120114,1257
 ID=NCLIV_017900 + 1 [CT]..ATG[ACT]
 2122038,2123270,1233
 ID=NCLIV_017910 + 1 [CT]..ATG[ACT]
 2125193,2126422,1230
 ID=NCLIV_017911 + 1 TGCAACA
 2127884,2129068,1185
 ID=NCLIV_017920 + 1 A..ATG
 2130077,2131258,1182
 ID=NCLIV_017930 + 1 A..ATG
 2132301,2133476,1176
 ID=NCLIV_017940 + 1 [CT]..ATG[ACT]
 2135428,2136675,1248
 ID=NCLIV_017941 + 1 G..ATGG
 2137554,2138852,1299
 ID=NCLIV_017950 + 1 [CT]..ATG[ACT]
 2140805,2142049,1245
 ID=NCLIV_017951 + 1 G..ATGG
 2143935,2145203,1269
 ID=NCLIV_017970 + 1 A..ATG
 2148381,2149529,1149
 ID=NCLIV_017980 + 1 A..ATG
 2151546,2152565,1020,OVER:Ends:2151935-2152944-
 ID=NCLIV_018010 + 9 GAGATGC
 2174848,2175376,529,END:EXACT
 2176369,2176453,85,EXACT,AG-GT
 2177183,2177319,137,EXACT,AG-GT
 2177929,2178164,236,EXACT,AG-GT
 2178716,2178832,117,EXACT,AG-GT
 2179299,2179383,85,EXACT,AG-GT
 2179932,2180006,75,EXACT,AG-GT
 2180506,2180606,101,EXACT,AG-GT
 2181063,2181122,60,START:Ends:2181594-2181591-2181597-
 ID=NCLIV_018040 + 14 A..ATG
 2214846,2214933,88
 2215059,2215443,385
 2217333,2217725,393,END: start -857 GT
 2218135,2218418,284,EXACT,AG-GT
 2218986,2219090,105,EXACT,AG-GT
 2219592,2219728,137,EXACT,AG-GT
 2220190,2220297,108,EXACT,AG-GT
 2220761,2220816,56,EXACT,AG-GT
 2221487,2221542,56,EXACT,AG-GT
 2221958,2222085,128,EXACT,AG-GT
 2222436,2222820,385,EXACT,TAG|TGA|TAA:AG-GT
 2223271,2223491,221,EXACT,ATG:AG-GT
 2223851,2223904,54,EXACT,AG-GT

2224530,2224616,87,START:Ends:2224940-2224551-
 ID=NCLIV_018070 + 3 [CT]..ATG[ACT]
 2248616,2252513,3898,END:Starts:2247729-2247777-2249436-
 2252921,2252975,55,EXACT,AG-GT
 2253283,2253301,19,START:Ends:2254212-2253353-
 ID=NCLIV_018080 + 4 G..ATGG
 2259352,2265456,6105
 2265642,2266766,1125
 2267201,2267629,429
 2268039,2268254,216
 ID=NCLIV_018100 + 7 G..ATGG
 2279883,2280264,382
 2280809,2280951,143,END: start 13 GT (ref:AG-GT)<< Possible error
 2281603,2281758,156,EXACT,AG-GT
 2282167,2282584,418,EXACT,AG-GT
 2283000,2283315,316,END: start -36 AG-GT (ref:AG-GT)<< Possible error
 2284063,2284322,260,START: end 3328 Code:INTERNAL-
 2284989,2285050,62,OVER:Starts:2284063-
 ID=NCLIV_018120 + 8 G..ATGG
 2304665,2304898,234,END:EXACT
 2305299,2305386,88,EXACT,AG-GT
 2305661,2305828,168,START: end 534 AG-GT (ref:AG-GT)<< Possible error
 2306297,2306362,66,END: start -636 AG-GT (ref:AG-GT)<< Possible error
 2306925,2307097,173,START: end 603 AG-GT
 2307208,2307700,493,END: start -283 AG-GT
 2307882,2308557,676,START: end 411 AG
 2309652,2309814,163
 ID=NCLIV_018130 + 1 A..ATG
 2310564,2311562,999
 ID=NCLIV_018150 + 3 A..ATG
 2323366,2323815,450,END:Starts:2323211-2321241-2323169-
 2324411,2324545,135,EXACT,ATG:AG-GT
 2324905,2325903,999,START:EXACT
 ID=NCLIV_018180 + 5 GCGATGC
 2347171,2347834,664
 2348275,2348502,228
 2348919,2348984,66
 2349425,2349516,92
 2350025,2350450,426
 ID=NCLIV_018200 + 2 A..ATG
 2366009,2368801,2793
 2369402,2369707,306
 ID=NCLIV_018220 + 12 A..ATG
 2376231,2376468,238,END:EXACT
 2377032,2377164,133,EXACT,AG-GT
 2377914,2378008,95,EXACT,AG-GT
 2378595,2378740,146,EXACT,AG-GT
 2379464,2379525,62,EXACT,AG-GT
 2379875,2379945,71,EXACT,AG-GT
 2380546,2380774,229,EXACT,AG-GT
 2381283,2381445,163,EXACT,AG-GT
 2381920,2381972,53,EXACT,AG-GT
 2382485,2382569,85,EXACT,AG-GT
 2383084,2383156,73,EXACT,AG-GT
 2383800,2384050,251,START:Ends:2384663-2384932-2385447-
 ID=NCLIV_018230 + 9 A..ATG
 2386650,2386824,175
 2387268,2387399,132
 2388266,2388348,83
 2388805,2388949,145

2389234,2389303,70
2389423,2389616,194
2390128,2390298,171
2390794,2390976,183
2391298,2391935,638
ID=NCLIV_018250 + 3 A..ATG
2400005,2402560,2556,END:Starts:2401503-2401937-
2403438,2403787,350,EXACT,AG-GT
2404412,2404985,574,START:Ends:2404708-2405640-
ID=NCLIV_018280 + 6 GCCATGC
2424828,2424843,16
2425504,2425572,69
2425870,2425995,126
2426471,2426672,202
2427514,2427611,98
2428062,2428279,218
ID=NCLIV_018300 + 3 A..ATG
2432091,2432189,99,END:Starts:2431451-2431867-2431506-
2433062,2433229,168,EXACT,AG-GT
2433555,2433749,195,START:Ends:2434237-2434129-2434109-
ID=NCLIV_018330 + 1 A..ATG
2451653,2455405,3753
ID=NCLIV_018360 + 12 [CT]..ATG[ACT]
2476520,2476615,96
2477595,2477951,357
2478452,2478610,159
2478851,2479168,318
2479367,2479499,133
2479757,2480111,355
2480390,2480629,240
2480751,2480904,154
2481070,2481216,147
2481343,2482027,685
2482299,2482503,205
2482728,2482809,82
ID=NCLIV_018380 + 3 TCCATGG
2494798,2495096,299
2495782,2496067,286
2496485,2496946,462
ID=NCLIV_018400 + 13 A..ATG
2505182,2505184,3,END:Starts:2505071-2504085-2504282-
2505889,2505963,75,EXACT,AG-GT
2506314,2506506,193,EXACT,AG-GT
2507014,2507129,116,EXACT,ATG:AG-GT
2507442,2507591,150,EXACT,AG-GT
2507765,2507912,148,EXACT,AG-GT
2508352,2508512,161,EXACT,AG-GT
2508841,2509026,186,EXACT,AG-GT
2509603,2509684,82,EXACT,AG-GT
2510094,2510389,296,EXACT,AG-GT
2510741,2510807,67,EXACT,AG-GT
2511139,2511314,176,EXACT,AG-GT
2511611,2511667,57,START:Ends:2512269-2512297-2511805-
ID=NCLIV_018420 + 5 [CT]..ATG[ACT]
2520353,2520911,559,END:Starts:2519196-2519585-2519290-
2521084,2521200,117,EXACT,AG-GT
2521511,2521622,112,EXACT,AG-GT
2522147,2522228,82,EXACT,AG-GT
2522562,2522735,174,START:Ends:2523701-2523730-2522599-
ID=NCLIV_018430 + 9 A..ATG

2526050,2526203,154
 2527082,2527318,237
 2527716,2527848,133
 2528940,2529076,137
 2529694,2529767,74
 2530285,2530771,487
 2531345,2531427,83
 2531818,2531977,160
 2532275,2532402,128
 ID=NCLIV_018450 + 1 A..ATG
 2543011,2543757,747
 ID=NCLIV_018480 + 3 G..ATGG
 2558406,2558677,272,END:Starts:2557206-2557009-
 2559187,2559264,78,END: start -78 AG-GT
 2559740,2561297,1558,START:Ends:2562232-2567270-
 ID=NCLIV_018510 + 1 GCAATGA
 2583404,2584363,960
 ID=NCLIV_018520 + 19 A..ATG
 2586982,2587320,339,END:Starts:2586058-2586009-
 2587723,2587878,156,START: end -54 AG
 2588580,2588626,47,END: start 14 GT (ref:AG-GT)<< Possible error
 2588787,2588871,85,EXACT,AG-GT
 2589181,2589375,195,EXACT,AG-GT
 2589757,2589834,78,EXACT,AG-GT
 2590137,2590284,148,EXACT,AG-GT
 2590500,2590656,157,START: end 2 Info:AG-GC-donor=AG-AG-GT-
 2590965,2591072,108,END: start 24 GT (ref:AG-GT)<< Possible error
 2591402,2591499,98,EXACT,AG-GT
 2591920,2591990,71,EXACT,AG-GT
 2592274,2592425,152,EXACT,AG-GT
 2592787,2592885,99,EXACT,TAG|TGA|TAA:AG-GT
 2593482,2593566,85,EXACT,AG-GT
 2594176,2594321,146,EXACT,AG-GT
 2594585,2594674,90,EXACT,AG-GT
 2595164,2595308,145,EXACT,AG-GT
 2595661,2595770,110,EXACT,AG-GT
 2595965,2596034,70,START:Ends:2596396-2599888-2605496-
 ID=NCLIV_018550 + 3 A..ATG
 2610497,2610584,88,END:Starts:2609771-2609876-2609914-
 2611958,2612379,422,EXACT,AG-GT
 2612932,2613237,306,START:Ends:2614158-2614160-2619736-
 ID=NCLIV_018570 + 7 A..ATG
 2627841,2628031,191
 2628659,2628890,232
 2629613,2632551,2939
 2632891,2633153,263
 2633588,2633851,264
 2634495,2634610,116
 2634978,2635031,54
 ID=NCLIV_018590 + 6 GCGATGC
 2639599,2639994,396,END:EXACT
 2640611,2640709,99,EXACT,AG-GT
 2641252,2641318,67,EXACT,AG-GT
 2641674,2641835,162,EXACT,AG-GT
 2642486,2642632,147,START: end -4 AG-GC (ref:AG-GT)<< Possible error
 2643170,2643645,476
 ID=NCLIV_018600 + 12 A..ATG
 2646635,2647129,495,END:Starts:2645980-2646074-2646769-
 2647743,2647861,119,EXACT,AG-GT
 2648167,2648327,161,START: end 547 AG-GT (ref:AG-GT)<< Possible error

2648726,2648874,149,END: start -559 AG-GT (ref:AG-GT)<< Possible error
 2649391,2649598,208,START: end -31 AG
 2650353,2650795,443,END: start -3 GT (ref:AG-GT)<< Possible error
 2651532,2651611,80,EXACT,AG-GT
 2651966,2652266,301,START: end 46 AG-GT
 2652897,2653212,316,END: start -459 Info:acceptor=CT-ATG:AG-GT-AG-GT- (ref:AG-GT)<<

Possible error

2653565,2653839,275,EXACT,AG-GT
 2654279,2654360,82,START: end 3509 AG
 2654642,2654991,350,OVER:Ends:2655355-2657869-

ID=NCLIV_018620 + 4 A..ATG
 2663078,2663194,117
 2663620,2663780,161,END: start -62 GT (ref:CA-GT)<< Possible error
 2664207,2664328,122,EXACT,AG-GT
 2664597,2664685,89,START:Ends:2665186-2665219-2665222-

ID=NCLIV_018630 + 1 GTGATGC
 2667873,2670797,2925

ID=NCLIV_018640 + 1 GCCATGT
 2674812,2677568,2757

ID=NCLIV_018660 + 6 A..ATG
 2694328,2694358,31
 2694763,2694936,174
 2695519,2695703,185
 2696183,2696550,368
 2696929,2697298,370
 2697747,2700746,3000

ID=NCLIV_018680 + 3 [CT]..ATG[ACT]
 2712645,2712847,203,END:Starts:2707642-2711187-
 2713380,2713426,47,EXACT,AG-GT
 2713638,2713987,350,START:Ends:2715670-2715686-

ID=NCLIV_018710 + 9 A..ATG
 2758168,2758194,27,END:EXACT
 2758936,2759005,70,EXACT,AG-GT
 2759403,2759641,239,EXACT,AG-GT
 2760033,2760536,504,EXACT,AG-GT
 2761162,2761218,57,EXACT,AG-GT
 2761594,2761697,104,EXACT,AG-GT
 2761901,2761994,94,EXACT,AG-GT
 2762428,2762514,87
 2763196,2763378,183

ID=NCLIV_018730 + 3 GAGATGT
 2776347,2780663,4317
 2781201,2781702,502
 2782109,2784612,2504

ID=NCLIV_018750 + 8 A..ATG
 2792463,2792828,366,END:Starts:2791814-2791772-
 2792964,2793160,197,EXACT,AG-GT
 2793744,2793871,128,EXACT,AG-GT
 2794312,2794396,85,START: end 962 AG
 2795305,2795362,58
 2795901,2795947,47,END: start 1 GT
 2796255,2796317,63,EXACT,AG-GT
 2796491,2796629,139,START:Ends:2797392-2797374-2797398-

ID=NCLIV_018790 + 1 [CT]..ATG[ACT]
 2828470,2829363,894,OVER:Ends:2829957-2827583-2830355-

ID=NCLIV_018820 + 1 GACATGC
 2852136,2853113,978

ID=NCLIV_018825 + 5 CAGATGG
 2855460,2855635,176,END:Starts:2855131-2855063-
 2855960,2856536,577,EXACT,AG-GT

2857070,2857180,111,EXACT,AG-GT
 2857662,2857694,33,END: start 9 GT
 2858331,2858441,111,START:EXACT
 ID=NCLIV_018840 + 1 A..ATG
 2866980,2867477,498
 ID=NCLIV_018880 + 6 A..ATG
 2904625,2904754,130,END:EXACT
 2905227,2905352,126,EXACT,AG-GT
 2905890,2906003,114,EXACT,AG-GT
 2906404,2906592,189,EXACT,AG-GT
 2906769,2907034,266,EXACT,AG-GT
 2907324,2907602,279,OVER:Ends:2908822-2909023-
 ID=NCLIV_018890 + 3 A..ATG
 2911339,2911518,180,END:EXACT
 2911773,2911919,147,EXACT,AG-GT
 2912310,2912447,138,START:EXACT
 ID=NCLIV_018910 + 13 A..ATG
 2921597,2921738,142,END:Starts:2920460-2921060-
 2921904,2922030,127,EXACT,AG-GT
 2922527,2922659,133,START: end -22 AG
 2923077,2923133,57
 2923318,2923363,46
 2923992,2924063,72
 2924177,2924271,95
 2925333,2925377,45
 2925578,2925635,58
 2926146,2926284,139,EXACT,GT
 2927116,2927201,86,EXACT,AG-GT
 2927635,2927821,187,EXACT,AG-GT
 2928398,2928482,85,START:Ends:2929100-2929123-2929129-
 ID=NCLIV_018930 + 1 A..ATG
 2938672,2939529,858
 ID=NCLIV_018960 + 1 TTGATGG
 2959572,2961335,1764
 ID=NCLIV_018970 + 7 A..ATG
 2963121,2963202,82,END:Starts:2962309-2963043-
 2963908,2964054,147,EXACT,AG-GT
 2964622,2964655,34,END: start -192 AG-GT (ref:AG-GT)<< Possible error
 2965376,2965444,69,EXACT,AG-GT
 2966083,2966640,558,START: end -79 AG-GT
 2967183,2968533,1351
 2968923,2970647,1725,OVER:Starts:2968933-2968918-
 ID=NCLIV_018990 + 4 A..ATG
 2975750,2975818,69,END:Starts:2968933-2968918-
 2976144,2976329,186,EXACT,ATG:AG-GT
 2976551,2976616,66,EXACT,AG-GT
 2977230,2977676,447,START:EXACT
 ID=NCLIV_019010 + 7 [CT]..ATG[ACT]
 2986715,2991511,4797,END:Starts:2984646-2985744-2985694-
 2991977,2992097,121,EXACT,AG-GT
 2993008,2993280,273,EXACT,AG-GT
 2993621,2993799,179,EXACT,AG-GT
 2994413,2994524,112,EXACT,AG-GT
 2994711,2994935,225,EXACT,AG-GT
 2995289,2995368,80,START:Ends:2996877-2997124-2997186-
 ID=NCLIV_019040 + 3 A..ATG
 3024131,3025185,1055,END:Starts:3023008-3022779-
 3025607,3026006,400,EXACT,AG-GT
 3026334,3028223,1890,START:Ends:3028812-3029129-
 ID=NCLIV_019060 + 3 A..ATG

3047956,3049368,1413
3049755,3051826,2072
3052016,3052214,199
ID=NCLIV_019070 + 10 G..ATGG
3057113,3057344,232,END:Starts:3056319-3056320-
3057850,3057983,134,START: end -2 AG
3058442,3059321,880
3059568,3059635,68,END: start 39 GT
3060363,3060430,68,EXACT,AG-GT
3060924,3060969,46,EXACT,AG-GT
3061180,3061281,102,EXACT,AG-GT
3061667,3061707,41,EXACT,AG-GT
3061989,3062055,67,EXACT,AG-GT
3062537,3062656,120,START:Ends:3063446-3062999-3063071-
ID=NCLIV_019090 + 4 A..ATG
3068373,3068508,136
3069068,3069193,126
3069991,3070329,339
3070807,3071516,710
ID=NCLIV_019110 + 3 A..ATG
3077525,3078523,999,END:EXACT
3078920,3079805,886,EXACT,AG-GT
3080245,3080915,671,START:Ends:3081350-3082115-3082074-
ID=NCLIV_019130 + 4 A..ATG
3091411,3091792,382,OVER:Starts:3091491-3090690-
3092426,3093694,1269,END: start -1736 GT
3094096,3094218,123,EXACT,AG
3094625,3094959,335
ID=NCLIV_019140 + 17 CACATGG
3095639,3095706,68
3096378,3096440,63
3097418,3097484,67
3097920,3098084,165
3098180,3098239,60
3098500,3098558,59
3098969,3099020,52
3099164,3099240,77
3099378,3099553,176
3100138,3100225,88
3100375,3100454,80
3100736,3100882,147
3101156,3101280,125
3101712,3101953,242
3102416,3102524,109
3102792,3102962,171
3103523,3103642,120
ID=NCLIV_019160 + 3 A..ATG
3111118,3112889,1772,END:Starts:3109946-3110677-3112546-
3113466,3113707,242,START: end -26 AG
3114052,3114281,230
ID=NCLIV_019180 + 6 A..ATG
3122177,3123245,1069,END:Starts:3121753-3121776-
3123819,3124106,288,START: end 1563 AG-GT
3124419,3124513,95,OVER: start -600 and end 1156 AG-GT
3125278,3125669,392,EXACT,AG-GT
3126317,3127722,1406,EXACT,AG-GT
3128050,3128351,302,START:Ends:3128754-3130056-3129964-
ID=NCLIV_019200 + 5 A..ATG
3138886,3138907,22,END:EXACT
3139333,3139585,253,EXACT,AG-GT

3139932,3140293,362,EXACT,AG-GT
3140735,3140994,260,EXACT,AG-GT
3141647,3141991,345,START:Ends:3143533-3143566-3141704-
ID=NCLIV_019210 + 6 GAAATGA
3148118,3150505,2388,END:Starts:3145697-3145832-3150044-
3151184,3151290,107,EXACT,AG-GT
3151746,3151820,75,EXACT,AG-GT
3152051,3152200,150,EXACT,AG-GT
3152664,3152745,82,EXACT,AG-GT
3153241,3154287,1047,START:EXACT
ID=NCLIV_019240 + 1 G..ATGG
3166899,3168869,1971,OVER:Starts:3166177-3166229-
ID=NCLIV_019250 + 8 G..ATGG
3171065,3171660,596,END:Starts:3169912-3170007-
3172134,3172262,129,EXACT,AG-GT
3172745,3172814,70,EXACT,AG
3173604,3174216,613
3174650,3174870,221,END: start -2 GT
3175256,3175457,202,EXACT,AG-GT
3175897,3179741,3845,EXACT,AG
3180245,3180511,267,START:Ends:3184142-3181287-
ID=NCLIV_019270 + 3 A..ATG
3192260,3192295,36
3193652,3198769,5118
3200815,3202908,2094
ID=NCLIV_019290 + 18 GAGATGC
3208515,3209694,1180
3210198,3210493,296
3210935,3211059,125
3211887,3211983,97
3212452,3212930,479
3214009,3214090,82
3214462,3216135,1674
3216584,3216768,185
3216987,3217205,219
3217925,3218049,125
3218296,3218794,499
3219414,3219607,194
3220316,3220448,133
3221951,3222152,202
3222706,3222802,97
3223130,3224566,1437
3225087,3225760,674
3226235,3226288,54
ID=NCLIV_019310 + 12 A..ATG
3233092,3233527,436
3233995,3234266,272
3234845,3235174,330
3235912,3236035,124
3236523,3236865,343
3237251,3237484,234
3237716,3237869,154
3238126,3238275,150
3238600,3238708,109,END: start 7 GT
3239132,3239531,400,START: end -121 AG
3240133,3240372,240
3241085,3241142,58
ID=NCLIV_019330 + 9 GTGATGC
3248407,3248596,190,END:Starts:3247333-3247311-
3249183,3249254,72,EXACT,AG-GT

3249502,3249623,122,EXACT,AG-GT
 3250186,3250243,58,EXACT,AG-GT
 3251156,3251257,102,END: start 2 GT (ref:AG-GT)<< Possible error
 3251773,3251848,76,EXACT,AG-GT
 3252353,3252430,78,EXACT,AG-GT
 3252885,3253068,184,EXACT,AG-GT
 3253504,3253620,117,START:EXACT
 ID=NCLIV_019340 + 33 A..ATG
 3256344,3256700,357,END:Starts:3255613-3255573-
 3257212,3257822,611,EXACT,AG-GT
 3258181,3258401,221,EXACT,AG-GT
 3258942,3259061,120,END: start -5 GT
 3259364,3259898,535,EXACT,AG-GT
 3260386,3260569,184,EXACT,AG-GT
 3260886,3260983,98,EXACT,AG-GT
 3261287,3261899,613,EXACT,AG-GT
 3262462,3262629,168,EXACT,AG-GT
 3263299,3263586,288,EXACT,AG-GT
 3263897,3264132,236,EXACT,AG-GT
 3264653,3264808,156,EXACT,AG-GT
 3265201,3265257,57,EXACT,AG-GT
 3265634,3266564,931,EXACT,AG-GT
 3267154,3267423,270,EXACT,AG-GT
 3268249,3268379,131,EXACT,AG-GT
 3268964,3269064,101,EXACT,TAG|TGAI|TAA:AG-GT
 3269526,3269648,123,EXACT,AG-GT
 3270088,3270322,235,EXACT,AG-GT
 3270790,3271036,247,EXACT,AG-GT
 3271355,3271636,282,EXACT,AG-GT
 3272042,3272317,276,EXACT,AG-GT
 3272474,3272701,228,START: end 4 AG
 3273073,3273194,122,END: start 16 GT
 3273815,3273996,182,EXACT,AG-GT
 3274345,3274845,501,EXACT,AG-GT
 3275418,3275522,105,EXACT,AG-GT
 3276143,3276230,88,EXACT,AG-GT
 3276779,3276869,91,EXACT,AG-GT
 3277614,3277714,101,EXACT,AG-GT
 3278449,3278628,180,EXACT,AG-GT
 3279117,3279211,95,EXACT,AG-GT
 3279608,3280074,467,START:Ends:3280376-3280381-3280372-
 ID=NCLIV_019350 + 4 [CT]..ATG[ACT]
 3284692,3285135,444
 3285488,3285552,65
 3285725,3285767,43
 3286128,3286151,24
 ID=NCLIV_019360 + 3 A..ATG
 3289812,3289927,116
 3290847,3290942,96
 3291114,3291222,109

CHROMOSOME VI – REVERSE

ID=NCLIV_015405 - 7 A..ATG
 7230,7322,93
 7861,7954,94,END: start 19 AG (ref:AC-GT)<< Possible error
 8330,8528,199,EXACT,AG-GT
 9387,9492,106,EXACT,ATG:AG-GT
 10052,10128,77,START: end -9 GT
 10432,10486,55

10879,11127,249
ID=NCLIV_015420 - 2 GCAATGC
17199,18521,1323,END:Ends:18521-18047-
19012,19809,798,START:Ends:21103-21055-
ID=NCLIV_015430 - 16 A..ATG
23802,24122,321,END:Starts:23367-22973-
24257,24658,402
24808,25209,402
25359,25760,402,START: end 15 AG-GT (ref:AC-GT)<< Possible error
25910,26326,417,START: end -14 GT
26461,26877,417
27012,27428,417
27563,27979,417
28346,28741,396,END: start 174 AG
29694,30110,417,EXACT,AG-GT
30687,30934,248,EXACT,AG-GT
31387,31554,168,START: end -16 GT
31894,32173,280
32393,32580,188
33045,33249,205
34005,34655,651
ID=NCLIV_015480 - 4 A..ATG
70486,70629,144,END:Starts:69954-69932-69905-
71158,71262,105,EXACT,AG-GT
71737,71954,218,EXACT,AG-GT
72124,72424,301,START:Ends:72760-72753-72511-
ID=NCLIV_015500 - 2 A..ATG
80438,80850,413,END:Ends:80820-80850-
81466,82177,712
ID=NCLIV_015510 - 13 [CT]..ATG[ACT]
84684,84971,288,END:Starts:83990-84008-84132-
85298,85448,151,EXACT,AG-GT
85602,85689,88,EXACT,AG-GT
86059,86122,64,EXACT,AG-GT
86335,86451,117,EXACT,AG-GT
86898,86992,95,START: end 554 GT
87438,87546,109,END: start -540 GT
87890,87957,68
88406,88509,104
88846,88952,107
89483,89565,83
90236,90388,153
91056,91125,70
ID=NCLIV_015550 - 11 A..ATG
120561,120614,54
121064,121184,121,END: start 13 AG (ref:AC-GT)<< Possible error
121642,121797,156,START: end 13 AG-GT (ref:AC-GT)<< Possible error
122211,122430,220,END: start -11 AG-GT (ref:AC-GT)<< Possible error
122766,122857,92,EXACT,AG-GT
123224,123369,146,EXACT,AG-GT
123629,123766,138,EXACT,AG-GT
124252,124319,68,START: end 184 GT
124636,124715,80,END: start 23 AG (ref:AC-GT)<< Possible error
125273,125335,63,EXACT,AG-GT
126061,126164,104
ID=NCLIV_015610 - 9 A..ATG
157664,157857,194,END:Starts:157213-157304-157215-
158710,158815,106,EXACT,AG-GT
159670,159849,180,EXACT,AG-GT
160188,160244,57,EXACT,AG-GT

161176,161523,348,EXACT,AG-GT
 161800,162046,247,EXACT,AG-GT
 162798,163049,252,EXACT,AG-GT
 163354,163397,44,START: end 494 GT
 163833,163898,66
 ID=NCLIV_015630 - 1 [CT]..ATG[ACT]
 167109,168266,1158
 ID=NCLIV_015640 - 1 A..ATG
 171238,171600,363
 ID=NCLIV_015720 - 1 A..ATG
 247563,248138,576,OVER:EXACT
 ID=NCLIV_015750 - 5 A..ATG
 274409,274892,484,END:Starts:269042-274232-274180-
 275122,275194,73,EXACT,AG-GT
 275313,278942,3630,EXACT,AG-GT
 279073,279449,377,END: start 204 AG
 279548,280083,536,START:Ends:280146-281792-
 ID=NCLIV_015770 - 2 [CT]..ATG[ACT]
 291978,292945,968
 293171,294599,1429
 ID=NCLIV_015790 - 18 G..ATGG
 305959,306223,265,END:Starts:303875-303771-303944-
 306673,306865,193,EXACT,AG-GT
 307193,307458,266,START: end -45 AG-GT (ref:AC-GT)<< Possible error
 307718,308103,386,END: start 45 AG-GC (ref:AC-GT)<< Possible error
 308458,308673,216,EXACT,AG-GT
 309249,309472,224,EXACT,AG-GT
 309794,309949,156,EXACT,AG-GT
 310486,310615,130,EXACT,AG-GT
 310968,311117,150,EXACT,AG-GT
 311694,311868,175,EXACT,AG-GT
 312405,312560,156,EXACT,AG-GT
 313009,313517,509,END: start -2 AG
 314626,314981,356,START: end 1324 GT
 315403,315506,104,OVER: start -777 and end 799 GT
 317772,318079,308
 318562,318661,100
 319311,319405,95
 319542,319913,372
 ID=NCLIV_015830 - 33 A..ATG
 367197,367330,134,END:Starts:365326-365572-
 368383,368546,164,EXACT,AG-GT
 368685,368821,137,EXACT,AG-GT
 369698,369797,100,EXACT,AG-GT
 370230,370393,164,EXACT,TAG|TGA|TAA:AG-GT
 370817,370912,96,EXACT,AG-GT
 371461,371577,117,EXACT,AG-GT
 372117,372241,125,START: end -6 GT
 372903,372981,79
 373558,373766,209
 374284,374394,111
 374737,374838,102
 375211,375391,181
 376214,376298,85
 376989,377148,160
 377428,377641,214
 377933,378100,168
 378554,378628,75
 378913,379101,189
 379446,379527,82

380112,380190,79
 380487,380625,139
 380794,380871,78
 381031,381179,149
 381869,381967,99
 382308,382472,165
 383109,383259,151
 383599,383700,102
 384151,384258,108
 384799,384891,93
 385546,385618,73
 386074,386114,41
 386541,386948,408
 ID=NCLIV_015870 - 1 A..ATG
 407530,408432,903
 ID=NCLIV_015910 - 9 G..ATGG
 433021,433084,64,OVER:Starts:432152-432269-432112-
 433652,433747,96,END: start 26 AG-GC (ref:AC-GT)<< Possible error
 434163,434296,134,EXACT,AG-GT
 434416,436226,1811,EXACT,AG-GT
 436677,436833,157,EXACT,AG-GT
 437152,437285,134,EXACT,AG-GT
 437792,437849,58,EXACT,AG-GT
 438160,438612,453,EXACT,AG-GT
 439075,441600,2526,START:EXACT
 ID=NCLIV_015920 - 1 A..ATG
 446457,446768,312
 ID=NCLIV_015930 - 4 GCTATGC
 452573,452598,26,END:Starts:451405-451675-451542-
 453072,453836,765,EXACT,AG-GT
 454263,454313,51,EXACT,AG-GT
 454963,454984,22,START:Ends:455258-456078-456304-
 ID=NCLIV_015940 - 12 TCCATGG
 456308,456723,416
 457248,457308,61
 457773,457909,137
 458049,458171,123
 458565,458627,63
 459234,459314,81
 459847,460266,420
 460391,460486,96
 460923,460982,60
 461576,461629,54
 462138,462224,87
 462867,463065,199
 ID=NCLIV_015950 - 5 G..ATGG
 468364,468481,118,END:Starts:467838-467824-467834-
 469369,469627,259,START: end 1106 GT
 470552,471590,1039
 471830,471985,156,EXACT,AG
 472837,475530,2694,START:Ends:473422-475731-
 ID=NCLIV_015980 - 4 CTCATGG
 494917,495049,133,END:Starts:494460-494629-494518-
 495374,495435,62,EXACT,AG-GT
 495541,495585,45,EXACT,AG-GT
 496070,496675,606,START:Ends:497093-497141-499302-
 ID=NCLIV_016010 - 8 [CT]..ATG[ACT]
 515090,515663,574,END:Starts:514564-514988-514586-
 515966,516063,98,EXACT,AG-GT
 516328,519590,3263,START: end 183 GT

520397,521006,610
 522294,523343,1050,START: end -227 GT
 523914,524929,1016
 525499,525811,313
 526464,526904,441
 ID=NCLIV_016020 - 3 G..ATGG
 530043,530312,270
 530993,531382,390
 532952,534418,1467
 ID=NCLIV_0160- 12 G..ATGG
 536757,542651,5895,END:Starts:536333-536316-
 543077,543168,92,START: end 4861 GT
 543775,548029,4255,END: start -698 GT
 548700,549516,817,START: end 813 GT
 549979,550329,351,END: start -1279 GT
 550810,551910,1101,END: start 1 AG
 552277,553525,1249,START: end 2555 GT
 554309,554609,301,OVER: start -2032 and end 1471 GT
 555198,556053,856,OVER: start -2921 and end 27 GT
 556450,556533,84,EXACT,Code:INTERNAL-
 556909,558090,1182,START: end 1348 GT
 558306,558445,140,OVER:Ends:557823-559438-
 ID=NCLIV_016050 - 8 A..ATG
 570817,576651,5835,END:Starts:569854-569865-569874-
 577019,577292,274,EXACT,AG-GT
 577778,577861,84,START: end -21 GT
 578320,578451,132,END: start -127 AG (ref:AC-GT)<< Possible error
 578865,578944,80,EXACT,AG-GT
 579357,579762,406,EXACT,AG-GT
 580132,580244,113,EXACT,AG-GT
 580639,581646,1008,START:EXACT
 ID=NCLIV_016060 - 6 G..ATGG
 588676,590724,2049,END:Starts:587040-587319-586144-
 591129,592857,1729,EXACT,AG-GT
 593336,593544,209,START: end 679 AG-GT (ref:AC-GT)<< Possible error
 593746,594223,478,END: start -410 AG-GT (ref:AC-GT)<< Possible error
 594575,594814,240,EXACT,AG-GT
 595326,596032,707,START:Ends:597316-598460-
 ID=NCLIV_016090 - 13 A..ATG
 616342,616824,483,END:Starts:615078-615340-
 617380,618069,690,EXACT,AG-GT
 618216,618419,204,EXACT,GT
 619059,619234,176,EXACT,AG
 619949,620239,291,EXACT,AG-GT
 620441,620534,94,START: end 124 GT
 621017,621230,214,END: start -128 AG (ref:AC-GT)<< Possible error
 622938,623103,166,END: start 47 AG-GT (ref:AC-GT)<< Possible error
 623351,623461,111,START: end -21 GT
 624053,624170,118
 625325,625408,84
 625904,626080,177
 626615,629701,3087
 ID=NCLIV_016100 - 29 TTTATGG
 632517,632610,94
 633247,633293,47
 633552,633568,17
 633923,634043,121
 635003,635050,48
 635522,635587,66
 635801,635865,65

636220,636271,52,END: start 8 AG
 636616,636693,78,EXACT,AG-GT
 636907,637096,190,START: end -1 GT
 637380,637595,216,END: start 7 AG
 638186,638255,70,EXACT,AG-GT
 638885,638972,88,START: end 2 GT
 639412,639495,84
 639905,640414,510
 640814,640913,100
 641362,641421,60
 642061,642259,199
 642830,642862,33
 643447,643549,103
 643755,643807,53
 644727,644861,135
 645104,645176,73
 645401,645699,299
 645969,646011,43
 646180,646285,106
 646377,646466,90
 647189,647294,106
 647537,647954,418
 ID=NCLIV_016110 - 9 GATATGA
 650957,651124,168,END:Starts:649878-649924-649936-
 651485,651579,95,EXACT,AG-GT
 651849,651925,77,END: start -15 TAGITGAI TAA:AG-GC (ref:AC-GT)<< Possible error
 652424,652615,192,EXACT,AG-GT
 653193,653280,88,EXACT,AG-GT
 653388,653466,79,EXACT,AG-GT
 653948,654107,160,EXACT,AG-GT
 654523,654622,100,EXACT,AG-GT
 655278,655452,175,START:Ends:656124-655935-656118-
 ID=NCLIV_016160 - 6 A..ATG
 682551,682741,191,END:Starts:681557-681539-681538-
 683479,683640,162,EXACT,AG-GT
 683973,684294,322,EXACT,AG-GT
 684542,684673,132,EXACT,AG-GT
 684897,685130,234,EXACT,AG-GT
 685920,686132,213,START:Ends:688019-686200-688136-
 ID=NCLIV_016180 - 14 GGCATGA
 694441,694650,210,END:Starts:693158-693598-693296-
 696381,696596,216,EXACT,AG-GT
 697158,697337,180,EXACT,AG-GT
 697700,697849,150,EXACT,AG-GT
 698577,698692,116,START: end -10 GT
 699326,699478,153,END: start 25 AG
 700024,700194,171,EXACT,AG-GT
 700766,700864,99,EXACT,AG-GT
 701259,701541,283,EXACT,AG-GT
 701814,701869,56,EXACT,AG-GT
 702164,702267,104,EXACT,AG-GT
 702785,702942,158,START: end 200 GT
 703649,703795,147,END: start -19 AG
 704467,704610,144,START:Ends:704615-704618-
 ID=NCLIV_016190 - 1 G..ATGG
 707796,709007,1212
 ID=NCLIV_016210 - 11 A..ATG
 719724,719801,78,END:Starts:719212-719211-
 720181,720433,253,START: end -17 GT
 720797,720891,95,EXACT,AG-GT

721113,721259,147
 721539,721880,342,START: end -4 GT
 722165,722485,321,END: start -2 AG (ref:AC-GT)<< Possible error
 722786,722887,102,EXACT,AG-GT
 723339,723560,222,EXACT,AG-GT
 723788,723851,64,START: end -10 GT (ref:AC-GT)<< Possible error
 724214,724310,97,END: start 18 AG-GC
 724607,725159,553,START:Ends:726283-728510-
 ID=NCLIV_016240 - 8 G..ATGG
 738217,738518,302,END:Starts:731657-736281-733821-
 738824,739207,384,EXACT,AG-GT
 739914,740222,309,EXACT,AG-GT
 740559,741224,666,EXACT,AG-GT
 741714,741941,228,EXACT,AG-GT
 742223,742597,375,EXACT,GT
 743068,743231,164,EXACT,AG
 743579,743817,239,START:Ends:744432-746160-
 ID=NCLIV_016270 - 3 GTGATGA
 751825,752559,735
 752678,752879,202
 752908,753101,194
 ID=NCLIV_016280 - 5 A..ATG
 753458,753632,175
 753697,753737,41
 754147,754206,60
 754270,754301,32
 754366,754462,97
 ID=NCLIV_016300 - 5 G..ATGG
 759574,759757,184,END:EXACT
 760213,760377,165,EXACT,AG-GT
 760757,760884,128,EXACT,AG-GT
 761259,761600,342,EXACT,AG-GT
 761857,762918,1062
 ID=NCLIV_016330 - 7 G..ATGG
 790853,790960,108,END:Starts:790024-789966-
 791248,791328,81,START: end -16 GT
 792178,792385,208
 792767,792858,92
 793296,793372,77
 793757,793868,112
 794461,794568,108
 ID=NCLIV_016350 - 6 A..ATG
 805122,805491,370
 805717,805784,68
 806140,806218,79
 806659,806699,41
 807118,807190,73
 807584,807702,119
 ID=NCLIV_016360 - 1 A..ATG
 810658,811872,1215
 ID=NCLIV_016380 - 4 GCAATGC
 830383,830508,126,END:EXACT
 830973,831104,132,EXACT,AG-GT
 832034,832185,152,START: end 878 GT
 832277,832412,136,OVER:Ends:832367-833108-833063-
 ID=NCLIV_016390 - 1 A..ATG
 833803,834438,636
 ID=NCLIV_016430 - 5 G..ATGG
 854872,855210,339,END:EXACT
 855596,855820,225,EXACT,ATG:AG-GT

856135,856218,84,EXACT,AG-GT
856780,856874,95,EXACT,AG-GT
857880,857931,52
ID=NCLIV_016450 - 13 A..ATG
872147,872257,111,END:EXACT
873175,873284,110,EXACT,AG-GT
873951,874002,52,EXACT,AG-GT
874413,874516,104,EXACT,AG-GT
874682,874843,162,EXACT,TAG|TGA|TAA:AG-GT
875302,875412,111,START: end 84 AG-GT
875932,876064,133,EXACT,AG-GT
876601,876673,73,END: start -84 AG-GC
876884,876971,88,EXACT,AG-GT
877197,877280,84,EXACT,AG-GT
878876,879000,125,EXACT,GT
879529,879560,32
879658,879669,12
ID=NCLIV_016480 - 7 A..ATG
898941,899002,62,END:Starts:898446-898444-898450-
899547,899796,250,EXACT,AG-GT
900072,900428,357,EXACT,AG-GT
900898,901734,837,EXACT,AG-GT
902072,902611,540,EXACT,ATG:AG-GT
902775,903184,410,EXACT,AG-GT
903945,904245,301,START:Ends:905978-904449-906143-
ID=NCLIV_016540 - 11 A..ATG
957082,957335,254,END:Starts:956183-956382-956516-
957638,957695,58,EXACT,AG-GT
958151,958375,225,EXACT,AG-GT
958747,958868,122,EXACT,AG-GT
959086,959281,196,EXACT,AG-GT
959702,959769,68,EXACT,AG-GT
960414,960498,85,EXACT,ATG:AG-GT
961007,961075,69,EXACT,AG-GT
961651,961706,56,EXACT,AG-GT
962048,962138,91,EXACT,AG-GT
962810,962920,111,START:Ends:964864-964871-964867-
ID=NCLIV_016560 - 1 A..ATG
985486,989886,4401
ID=NCLIV_016570 - 1 A..ATG
994416,998822,4407
ID=NCLIV_016580 - 1 A..ATG
1003996,1008432,4437
ID=NCLIV_016600 - 9 A..ATG
1043594,1043623,30
1043964,1044025,62
1044269,1044432,164
1044752,1048935,4184
1049160,1050108,949
1050322,1050503,182
1051151,1051265,115
1051637,1051773,137
1052232,1053581,1350
ID=NCLIV_016620 - 8 A..ATG
1062343,1062508,166
1062944,1064044,1101,END: start 589 AG
1064502,1064592,91,START: end -7 GT
1064844,1064928,85,OVER: start -2 and end 2336 AG
1065192,1066523,1332,OVER: start -350 and end 741 AG
1066881,1067297,417

1067681,1067781,101
 1068173,1070561,2389
 ID=NCLIV_016630 - 6 A..ATG
 1073712,1074164,453
 1074483,1074818,336
 1075862,1075927,66
 1076247,1076912,666
 1077558,1077916,359
 1078299,1078878,580
 ID=NCLIV_016650 - 1 CCGATGG
 1084604,1085407,804
 ID=NCLIV_016670 - 7 G..ATGG
 1090134,1090310,177
 1090384,1090517,134
 1090584,1090688,105
 1090843,1090993,151
 1091072,1091289,218
 1091372,1091512,141
 1091589,1091871,283
 ID=NCLIV_016680 - 10 A..ATG
 1092953,1093082,130
 1093140,1093176,37
 1093233,1093274,42
 1093325,1093352,28
 1093408,1093417,10
 1093478,1093535,58
 1093599,1093638,40
 1093698,1093774,77
 1093842,1093899,58
 1093957,1094031,75
 ID=NCLIV_016690 - 1 G..ATGG
 1094992,1095426,435
 ID=NCLIV_016710 - 2 A..ATG
 1100054,1103006,2953
 1103643,1103767,125
 ID=NCLIV_016740 - 10 A..ATG
 1114586,1115060,475, WITHIN:Ends:1115033-1115041-1115602-
 1115186,1115602,417,END: start 25 AG (ref:AC-GT)<< Possible error
 1115743,1115820,78,END: start 15 TAG|TGA|TAA:AG-GC (ref:AC-GT)<< Possible error
 1116036,1116161,126,START: end 178 AG-GT
 1116251,1116339,89,END: start -215 AG-GT
 1116755,1116841,87,EXACT,AG-GT
 1116967,1117050,84,START: end 2 GT
 1118161,1118229,69
 1118383,1118496,114
 1118650,1118700,51
 ID=NCLIV_016760 - 7 A..ATG
 1120582,1120721,140,END:Starts:1119251-1119253-1119255-
 1120823,1120882,60,EXACT,AG-GT
 1120991,1121123,133,EXACT,AG-GT
 1121215,1121318,104,EXACT,AG-GT
 1121422,1121544,123,EXACT,AG-GT
 1121683,1121736,54,EXACT,AG-GT
 1121995,1121998,4,START:Ends:1124304-1122767-1124580-
 ID=NCLIV_016780 - 4 A..ATG
 1131643,1131684,42,END:Starts:1130864-1130882-
 1132080,1132234,155,END: start -235 AG-GT
 1132330,1132584,255,EXACT,AG-GT
 1132799,1132841,43,START:Ends:1133192-1133025-
 ID=NCLIV_0167- 5 [CT]..ATG[ACT]

1134473,1134647,175,OVER:Starts:1134191-1134722-1134192-
 1135103,1135140,38,END: start -911 AG (ref:AC-GT)<< Possible error
 1136097,1136156,60,EXACT,AG-GT
 1136323,1136404,82,EXACT,AG-GT
 1136628,1136725,98,START:EXACT
 ID=NCLIV_016810 - 10 GAAATGA
 1141409,1141438,30
 1141496,1141531,36
 1141587,1141675,89
 1141733,1141776,44
 1141836,1141872,37
 1141934,1141967,34
 1142024,1142107,84
 1142161,1142228,68
 1142284,1142390,107
 1142455,1142738,284
 ID=NCLIV_016850 - 17 A..ATG
 1159952,1160223,272,END:EXACT
 1160725,1160818,94,EXACT,AG-GT
 1161446,1161537,92,EXACT,AG-GT
 1161875,1162456,582,EXACT,AG-GT
 1162809,1162933,125,EXACT,ATG:AG-GT
 1163444,1163835,392,EXACT,AG-GT
 1164312,1164365,54,END: start -51 AG-GC (ref:AC-GT)<< Possible error
 1164957,1165034,78,EXACT,AG-GT
 1165573,1165687,115,EXACT,AG-GT
 1165997,1166096,100,START: end -52 GT
 1166409,1166661,253
 1167215,1167400,186,END: start -1 AG
 1167808,1167900,93,START: end 1 GT
 1168533,1169082,550,END: start 120 AG (ref:AC-GT)<< Possible error
 1169618,1169993,376,EXACT,AG-GT
 1170288,1170482,195,START: end -16 GT
 1171380,1171542,163
 ID=NCLIV_016860 - 7 GGAATGC
 1174539,1175182,644,END:Starts:1173031-1174404-1172895-
 1175606,1175651,46,EXACT,AG-GT
 1175889,1175950,62,START: end 2 GT
 1176219,1176264,46,EXACT,GT
 1176655,1176827,173,EXACT,AG
 1177226,1177367,142,EXACT,AG-GT
 1177512,1177703,192,START:Ends:1177986-1178095-1178692-
 ID=NCLIV_016880 - 4 A..ATG
 1185396,1185802,407,END:Starts:1185003-1184911-1184991-
 1186127,1186394,268,EXACT,AG-GT
 1186807,1187091,285,EXACT,AG-GT
 1187704,1187949,246,START:Ends:1190943-1188662-1188677-
 ID=NCLIV_016910 - 2 GTCATGT
 1215599,1215925,327,END:EXACT
 1217044,1217364,321,START:Ends:1217642-1217200-1217411-
 ID=NCLIV_016930 - 3 A..ATG
 1234886,1235177,292
 1235386,1235661,276,EXACT,AG
 1236189,1236979,791,START:Ends:1237277-1237704-
 ID=NCLIV_016950 - 3 A..ATG
 1240694,1240870,177
 1241455,1241480,26
 1241994,1242075,82
 ID=NCLIV_0169- 1 [CT]..ATG[ACT]
 1255181,1256464,1284

ID=NCLIV_017010 - 5 A..ATG
1273906,1274040,135,END:Starts:1271740-1271857-1271833-
1274706,1274800,95,EXACT,AG-GT
1275067,1275211,145,START: end 498 AG-GT
1275719,1275900,182,EXACT,AG-GT
1277252,1277435,184,START:Ends:1278049-1278053-
ID=NCLIV_017050 - 3 A..ATG
1330306,1330472,167
1330972,1333116,2145
1333322,1335638,2317
ID=NCLIV_017060 - 25 A..ATG
1341946,1341992,47,END:Starts:1340988-1340959-1340837-
1342270,1342497,228,EXACT,AG-GT
1343133,1344539,1407,EXACT,AG-GT
1345180,1345367,188,EXACT,AG-GT
1346005,1346305,301,START: end 184 GT
1346634,1346700,67
1347186,1347414,229
1347869,1347985,117
1348525,1348736,212
1349274,1349424,151
1350367,1350428,62,EXACT,AG
1350674,1350725,52,EXACT,AG-GT
1351014,1351164,151,EXACT,AG-GT
1351780,1351980,201,EXACT,AG-GT
1352249,1352381,133,START: end -1 GT
1352809,1352884,76,END: start 7 AG
1353563,1353709,147,START: end 2 GT
1354012,1354382,371
1355559,1355804,246,EXACT,AG-GT
1355937,1356471,535,EXACT,AG-GT
1356927,1357188,262,EXACT,AG-GT
1357551,1357668,118,EXACT,AG-GT
1357908,1358075,168,EXACT,AG-GT
1358525,1358739,215,EXACT,AG-GT
1359083,1359278,196,START:Ends:1363919-1359931-1360192-
ID=NCLIV_017070 - 1 CCCATGG
1361895,1363004,1110
ID=NCLIV_017090 - 3 A..ATG
1368506,1368619,114,END:Starts:1368027-1367970-1367963-
1368885,1369166,282,EXACT,AG-GT
1369421,1370266,846,START:Ends:1371200-1371131-1371149-
ID=NCLIV_017130 - 1 CAAATGG
1398995,1399720,726
ID=NCLIV_017180 - 9 [CT]..ATG[ACT]
1429863,1429946,84,END:Starts:1427890-1429253-1429056-
1430302,1430381,80,EXACT,AG-GT
1430856,1431093,238,EXACT,GT
1431546,1431654,109
1432468,1432546,79
1432866,1432966,101,EXACT,AG
1433647,1433780,134,EXACT,AG-GT
1434065,1434963,899,START: end 1145 GT
1435710,1435722,13,OVER:Ends:1436108-1434574-1436140-
ID=NCLIV_017210 - 3 A..ATG
1462040,1462547,508,END:Starts:1460950-1452835-
1463134,1463332,199,EXACT,AG-GT
1464333,1464495,163,START:Ends:1465720-1465651-1465732-
ID=NCLIV_017250 - 2 A..ATG
1492476,1492874,399,END:Starts:1491454-1491452-

1493448,1494785,1338,START:Ends:1495666-1495680-
ID=NCLIV_017270 - 6 GCGATGT
1505622,1505819,198,END:Starts:1501920-1504267-1503925-
1506164,1506235,72,EXACT,AG-GT
1506799,1507770,972,EXACT,AG-GT
1508271,1508846,576,EXACT,AG-GT
1509308,1510166,859,EXACT,AG-GT
1510614,1521661,11048,START:Ends:1514571-1513845-
ID=NCLIV_017280 - 12 A..ATG
1525421,1525592,172,END:Starts:1524289-1524263-
1526222,1526718,497,EXACT,AG-GT
1527258,1527299,42
1527649,1527765,117
1528133,1528188,56,END: start 2 AG
1528892,1528987,96,EXACT,AG-GT
1529324,1529401,78,EXACT,AG-GT
1529935,1530094,160,EXACT,AG-GT
1530382,1530567,186,EXACT,AG-GT
1530653,1530845,193,END: start 90 AG-GT
1531376,1531526,151,EXACT,AG-GT
1531980,1532133,154,START:Ends:1532685-1532748-
ID=NCLIV_017300 - 19 G..ATGG
1542780,1543434,655,END:Starts:1541441-1541628-1541381-
1543593,1543725,133,EXACT,AG-GT
1544251,1544381,131,EXACT,AG-GT
1544812,1544948,137,EXACT,AG-GT
1546001,1546264,264,END: start 193 AG-GC (ref:AC-GT)<< Possible error
1546827,1546932,106,START: end 2 GT
1547545,1547655,111,END: start -1 AG (ref:AC-GT)<< Possible error
1547875,1547981,107,EXACT,AG-GT
1548315,1548368,54,EXACT,AG-GT
1548532,1548725,194,EXACT,AG-GT
1549058,1549232,175,EXACT,AG-GT
1549562,1549613,52,EXACT,AG-GT
1550201,1550286,86,START: end 2 GT
1550802,1550894,93,EXACT,GT
1551602,1551704,103,EXACT,AG-GT
1552324,1552416,93,EXACT,AG-GT
1552635,1552846,212,EXACT,AG-GT
1553132,1553547,416,START: end 4261 Code:INTERNAL-
1554246,1555203,958,OVER:Starts:1553132-
ID=NCLIV_017320 - 7 A..ATG
1568108,1568272,165,END:Starts:1566073-1566091-1566089-
1568842,1568914,73,EXACT,AG-GT
1569487,1569563,77,EXACT,AG-GT
1570109,1570215,107,START: end -3 GT
1570792,1570972,181
1571075,1571148,74,END: start 7 AG (ref:AC-GT)<< Possible error
1571699,1571828,130,START:EXACT
ID=NCLIV_017330 - 4 GGTATGC
1576882,1577020,139
1577346,1578226,881,EXACT,GT
1578527,1579928,1402,START: end 1306 GT
1581386,1581423,38
ID=NCLIV_017350 - 13 G..ATGG
1589088,1589888,801,END:Starts:1588298-1588681-1588598-
1590500,1590962,463,EXACT,AG-GT
1591528,1591613,86,START: end -22 GT
1592293,1592478,186
1593765,1593902,138,EXACT,AG

1594293,1594397,105,EXACT,AG-GT
1595142,1595362,221,EXACT,AG-GT
1595752,1595932,181,EXACT,GT
1596265,1596661,397
1597192,1597557,366,EXACT,AG
1597797,1597891,95,START: end 2 GT
1598134,1598292,159
1598681,1599025,345
ID=NCLIV_017370 - 7 A..ATG
1619052,1619447,396,OVER:Starts:1618312-1618325-1617891-
1620076,1620432,357,END: start -1764 AG (ref:AC-GT)<< Possible error
1620756,1620824,69,EXACT,AG-GT
1621435,1621530,96,EXACT,AG-GT
1621924,1621988,65,EXACT,AG-GT
1623097,1623251,155,EXACT,AG-GT
1624252,1624271,20,START:Ends:1624984-1624919-
ID=NCLIV_017450 - 2 [CT]..ATG[ACT]
1658894,1665528,6635
1666005,1667430,1426
ID=NCLIV_017490 - 15 TCGATGG
1689317,1690381,1065,END:Starts:1688839-1690079-
1691030,1691128,99,START: end -1 GT
1691537,1691751,215
1692382,1692549,168
1693099,1693219,121
1694362,1694436,75,END: start 7 AG
1695037,1695142,106,EXACT,AG-GT
1695391,1695515,125,EXACT,AG-GT
1696058,1696125,68,EXACT,AG-GT
1696789,1696843,55,EXACT,AG-GT
1697736,1697801,66,EXACT,AG-GT
1698281,1698524,244,START: end 15 GT
1698870,1698972,103
1699414,1699657,244
1700156,1700410,255
ID=NCLIV_017500 - 3 A..ATG
1705206,1705344,139,END:Starts:1705208-1705234-1705202-
1705633,1705866,234,EXACT,AG-GT
1706120,1706325,206,START:EXACT
ID=NCLIV_017520 - 15 GTAATGA
1710809,1711374,566
1711528,1711664,137
1712268,1712538,271
1713545,1713873,329
1714747,1715044,298
1715395,1715524,130
1715975,1716048,74
1716841,1717096,256
1717478,1717628,151
1718269,1718546,278
1719259,1719314,56
1719519,1719621,103
1720098,1720349,252
1720723,1721022,300,END: start -553 AG
1721374,1721418,45
ID=NCLIV_017550 - 6 G..ATGG
1742665,1742785,121
1743294,1743372,79
1744073,1744181,109
1744464,1744522,59

1745026,1745145,120
 1746076,1746217,142
 ID=NCLIV_017560 - 9 A..ATG
 1748249,1748299,51
 1748660,1748914,255
 1749275,1749414,140
 1750151,1750198,48
 1750559,1750658,100
 1751262,1751374,113
 1751847,1752146,300
 1752833,1753002,170
 1753517,1754076,560
 ID=NCLIV_017580 - 9 [CT]..ATG[ACT]
 1775094,1775371,278,END:Starts:1767706-1770081-
 1775991,1776102,112,EXACT,AG-GT
 1776416,1776484,69,EXACT,AG-GT
 1776982,1778821,1840,EXACT,AG-GT
 1779266,1779645,380,EXACT,AG-GT
 1780132,1781715,1584,EXACT,AG-GT
 1782271,1785024,2754,EXACT,AG-GT
 1785699,1786040,342,START: end -268 GT
 1786771,1788048,1278,START:Ends:1789375-1789374-
 ID=NCLIV_017590 - 6 GGCATGC
 1791121,1791435,315,END:Starts:1790520-1790984-1790982-
 1791836,1791915,80,EXACT,AG-GT
 1792357,1792416,60,EXACT,AG-GT
 1792955,1793157,203,EXACT,AG-GT
 1793677,1793758,82,EXACT,AG-GT
 1794440,1794746,307,START:EXACT
 ID=NCLIV_017600 - 6 GAGATGC
 1800045,1800972,928,END:Starts:1798900-1799236-1799162-
 1801283,1801410,128,EXACT,AG-GT
 1801540,1801836,297,START: end 3 GT
 1802294,1802695,402,START: end -3 GT
 1803119,1803274,156
 1803759,1803881,123
 ID=NCLIV_0176- 1 TTCATGG
 1807184,1810108,2925,OVER:Starts:1805768-1805327-
 ID=NCLIV_017630 - 7 A..ATG
 1829010,1829280,271
 1829366,1829456,91
 1830380,1830524,145
 1830605,1830890,286
 1830976,1831112,137
 1831186,1831230,45
 1831336,1831524,189
 ID=NCLIV_017640 - 6 GAAATGT
 1834109,1834335,227,END:Starts:1833300-1833749-1833315-
 1834588,1834772,185,EXACT,AG-GT
 1835079,1835259,181,START: end -43 AG-GT
 1835921,1835991,71,EXACT,AG-GT
 1836936,1837312,377,EXACT,AG-GT
 1837543,1838166,624,START:Ends:1838627-1838411-1838631-
 ID=NCLIV_017660 - 7 [CT]..ATG[ACT]
 1875990,1882474,6485,END:Starts:1874422-1874301-
 1882925,1883456,532,EXACT,AG-GT
 1883889,1884834,946,EXACT,AG-GT
 1885321,1885405,85,EXACT,AG-GT
 1885876,1886127,252,EXACT,AG-GT
 1886604,1886685,82,EXACT,AG-GT

1887462,1889225,1764,START:Ends:1888910-1888769-1890722-
ID=NCLIV_017680 - 13 A..ATG
1897131,1897171,41,END:Starts:1896429-1896487-1896430-
1897540,1897629,90,EXACT,AG-GT
1898415,1898481,67,EXACT,AG-GT
1898962,1899114,153,EXACT,AG-GT
1899651,1899968,318,EXACT,AG-GT
1900650,1900843,194,EXACT,AG-GT
1901414,1901674,261,EXACT,AG-GT
1901857,1902325,469,EXACT,AG-GT
1902833,1902900,68,START: end -6 GT
1903019,1903386,368,END: start 15 AG (ref:AC-GT)<< Possible error
1903757,1904066,310,EXACT,AG-GT
1904419,1904515,97,EXACT,AG-GT
1905043,1905129,87,START:Ends:1906554-1906284-1906343-
ID=NCLIV_017690 - 4 A..ATG
1908066,1910202,2137
1910857,1910993,137
1911251,1911389,139
1911634,1912862,1229
ID=NCLIV_017710 - 9 [CT]..ATG[ACT]
1918582,1918645,64,END:EXACT
1918911,1919122,212,EXACT,AG-GT
1919479,1919614,136,EXACT,AG-GT
1920379,1920485,107,EXACT,AG-GT
1920770,1921176,407,EXACT,AG-GT
1921386,1925927,4542,START: end 79 AG-GT (ref:AC-GT)<< Possible error
1926482,1926735,254,START: end 8 AG-GT (ref:AC-GT)<< Possible error
1927259,1928055,797,START: end -25 AG-GT
1928782,1928850,69
ID=NCLIV_017720 - 10 [CT]..ATG[ACT]
1935450,1935661,212
1936111,1936395,285,END: start 2 AG (ref:AC-GT)<< Possible error
1936734,1936803,70,EXACT,AG-GT
1937119,1937177,59,EXACT,AG-GT
1937829,1937998,170,EXACT,AG-GT
1938371,1938608,238,EXACT,AG-GT
1938954,1939247,294,EXACT,AG-GT
1939670,1939828,159,EXACT,AG-GT
1940245,1940526,282,EXACT,AG-GT
1941102,1941555,454,START:Ends:1942429-1942440-1942439-
ID=NCLIV_017760 - 22 GCCATGT
1970991,1971150,160
1971754,1971965,212
1972205,1972341,137
1972596,1972717,122
1973439,1973478,40
1973847,1974009,163
1974182,1974228,47
1974934,1974977,44
1975195,1975378,184
1975651,1975744,94
1976080,1976202,123
1977082,1977249,168
1977520,1977561,42
1978446,1978505,60
1978899,1978968,70
1979616,1979743,128
1980080,1980193,114
1980549,1980737,189

1981372,1981436,65
 1982442,1982472,31
 1983010,1983186,177
 1984155,1984346,192
 ID=NCLIV_017790 - 4 GCAATGA
 2031875,2031942,68,END:EXACT
 2032551,2032616,66,EXACT,AG-GT
 2032766,2032987,222,EXACT,AG-GT
 2033219,2033267,49,START:EXACT
 ID=NCLIV_017800 - 2 [CT]..ATG[ACT]
 2036358,2036839,482
 2036980,2036992,13
 ID=NCLIV_017820 - 1 A..ATG
 2044114,2044782,669
 ID=NCLIV_017830 - 21 A..ATG
 2047386,2048699,1314
 2049190,2049272,83,EXACT,Info:donor=AC-AG-GC-AG-GT-
 2049710,2050084,375,EXACT,AG-GT
 2050440,2050733,294,EXACT,AG-GT
 2051254,2051425,172,EXACT,AG-GT
 2051933,2052060,128,EXACT,AG-GT
 2052556,2052700,145,EXACT,AG-GT
 2053035,2053145,111,EXACT,AG-GT
 2053397,2054242,846,EXACT,GT
 2054732,2055007,276
 2055142,2055819,678
 2056200,2056308,109
 2056774,2056985,212
 2057393,2057554,162
 2057963,2058148,186
 2058390,2058752,363
 2059011,2059096,86
 2059533,2059646,114
 2059990,2060260,271
 2060631,2060773,143
 2060992,2061136,145
 ID=NCLIV_017850 - 5 A..ATG
 2075455,2075492,38,OVER:Starts:2074879-2074900-2075081-
 2075996,2076122,127,END: start -1096 AG (ref:AC-GT)<< Possible error
 2076719,2077618,900,EXACT,AG-GT
 2078152,2078217,66,EXACT,GT
 2078789,2079184,396
 ID=NCLIV_017870 - 6 CCCATGG
 2093150,2093262,113,END:Starts:2092729-2091635-
 2093747,2093789,43,EXACT,AG-GT
 2094065,2094190,126,EXACT,AG-GT
 2094938,2095027,90,EXACT,AG-GT
 2095751,2095873,123,EXACT,AG-GT
 2096052,2096321,270,START:Ends:2097583-2096434-2096076-
 ID=NCLIV_017990 - 5 CAGATGG
 2155303,2155889,587,OVER:Ends:2155892-2157889-
 2156056,2157889,1834,END: start -1519 AG
 2158221,2158462,242,EXACT,ATG:AG-GT
 2158635,2158823,189,EXACT,AG-GT
 2159080,2160061,982,START:Ends:2160665-2160554-2160674-
 ID=NCLIV_018000 - 6 A..ATG
 2164807,2167085,2279,END:EXACT
 2167425,2167523,99,EXACT,AG-GT
 2167891,2167978,88,EXACT,AG-GT
 2168349,2168421,73,EXACT,AG-GT

2168919,2169029,111,EXACT,AG-GT
 2169396,2169574,179,START:Ends:2171852-2170529-2171151-
 ID=NCLIV_018020 - 26 A..ATG
 2182955,2183204,250,END:Starts:2182718-2182715-2182748-
 2183712,2183866,155,START: end -7 GT
 2184236,2184535,300,END: start -5 AG
 2185073,2185178,106,EXACT,AG-GT
 2185340,2185456,117,EXACT,AG-GT
 2186118,2186418,301,EXACT,AG-GT
 2186934,2187021,88,EXACT,AG-GT
 2187334,2187390,57,EXACT,ATG:AG-GT
 2188084,2188225,142,EXACT,AG-GT
 2188431,2188556,126,EXACT,AG-GT
 2188986,2189044,59,EXACT,AG-GT
 2189554,2189802,249,EXACT,AG-GT
 2190357,2190414,58,EXACT,AG-GT
 2191445,2191582,138,EXACT,AG-GT
 2191850,2192055,206,EXACT,AG-GT
 2192612,2192798,187,EXACT,AG-GT
 2193273,2193612,340,EXACT,AG-GT
 2194115,2194250,136,EXACT,AG-GT
 2194473,2194589,117,EXACT,AG-GT
 2195087,2195269,183,EXACT,AG-GT
 2195778,2195856,79,EXACT,AG-GT
 2196288,2196395,108,EXACT,AG-GT
 2196965,2197273,309,START: end 297 GT
 2197836,2197977,142,END: start 17 AG (ref:AC-GT)<< Possible error
 2198501,2198705,205,EXACT,AG-GT
 2199206,2199547,342,START:Ends:2200793-2200792-2200976-
 ID=NCLIV_018030 - 3 [CT]..ATG[ACT]
 2204580,2207202,2623
 2207573,2213645,6073
 2214234,2214306,73
 ID=NCLIV_018050 - 2 GCCATGA
 2226332,2226786,455,END:Starts:2225853-2225942-2225903-
 2227361,2228816,1456,START:Ends:2229589-2228825-2231941-
 ID=NCLIV_018060 - 12 [CT]..ATG[ACT]
 2233144,2233358,215
 2235254,2235426,173
 2235681,2235789,109
 2236189,2236282,94
 2236916,2237277,362
 2238057,2238170,114
 2238670,2238769,100
 2239562,2239675,114
 2240105,2240186,82
 2240523,2240592,70
 2240895,2244101,3207
 2245098,2245587,490
 ID=NCLIV_0180- 8 A..ATG
 2269755,2269836,82,END:Starts:2268716-2269330-2269250-
 2270304,2270405,102,EXACT,AG-GT
 2270996,2271131,136,EXACT,AG-GT
 2271628,2272638,1011,EXACT,AG-GT
 2273208,2273301,94,START: end -6 GT
 2274097,2274360,264
 2274809,2274892,84
 2275422,2276039,618
 ID=NCLIV_018110 - 2 [CT]..ATG[ACT]
 2285862,2292083,6222

2292930,2298488,5559
ID=NCLIV_018140 - 1 CCAATGG
2313777,2319704,5928
ID=NCLIV_0181- 5 A..ATG
2328543,2331005,2463,END:Starts:2327142-2324696-2324877-
2331330,2331508,179,EXACT,AG-GT
2331802,2331892,91,EXACT,AG-GT
2332312,2332368,57,EXACT,AG-GT
2332642,2333928,1287,START:Ends:2334984-2334960-2334985-
ID=NCLIV_018170 - 8 A..ATG
2337890,2338183,294,END:Starts:2337223-2337134-
2338662,2339012,351,EXACT,AG-GT
2339560,2339801,242,EXACT,AG-GT
2340358,2340487,130,EXACT,AG-GT
2340843,2340988,146,START: end 139 AG-GT (ref:AC-GT)<< Possible error
2341119,2341127,9,END: start -276 AG-GT (ref:AC-GT)<< Possible error
2342041,2342189,149,EXACT,AG-GT
2342885,2344566,1682,START:Ends:2345633-2343313-2345722-
ID=NCLIV_018190 - 4 A..ATG
2353167,2356698,3532,END:Starts:2347202-
2357166,2357281,116,EXACT,AG-GT
2357405,2357626,222,EXACT,AG-GT
2358000,2359964,1965,START:Ends:2360816-2360876-2360900-
ID=NCLIV_018210 - 5 A..ATG
2370993,2371377,385,END:Starts:2370236-2370281-2370215-
2371886,2372117,232,START: end -24 AG-GT
2372576,2372714,139,END: start 70 AG
2373152,2373226,75,EXACT,AG-GT
2373612,2374124,513,START:Ends:2375427-2374140-2375430-
ID=NCLIV_018240 - 7 G..ATGG
2393384,2393530,147
2394208,2394301,94,END: start 7 AG (ref:AC-GT)<< Possible error
2394578,2394623,46,EXACT,AG-GT
2395317,2395468,152,EXACT,AG-GT
2395897,2396005,109,EXACT,AG-GT
2396409,2396871,463,START: end 83 GT
2397223,2397339,117
ID=NCLIV_018260 - 4 A..ATG
2406762,2407409,648,END:Starts:2406317-2406116-2406224-
2407847,2408128,282,EXACT,AG-GT
2408789,2409701,913,EXACT,AG-GT
2410032,2410342,311,START:Ends:2411663-2411601-2411604-
ID=NCLIV_018270 - 3 TCCATGG
2420340,2420763,424
2421217,2421420,204
2422296,2422486,191
ID=NCLIV_018290 - 2 A..ATG
2429773,2429933,161,END:EXACT
2430915,2431095,181,START:Ends:2431269-2431289-2431306-
ID=NCLIV_018310 - 12 G..ATGG
2435059,2435226,168,END:Starts:2431451-2434316-2433338-
2435862,2436259,398,EXACT,AG-GT
2436525,2436753,229,EXACT,AG-GT
2437375,2437518,144,START: end -31 GT
2438230,2438401,172,EXACT,AG-GT
2438943,2439306,364,EXACT,AG-GT
2439942,2439990,49,EXACT,AG-GT
2440754,2440802,49
2441320,2441382,63
2441798,2442064,267

2442634,2442850,217
 2443426,2443543,118
 ID=NCLIV_018320 - 1 GCCATGT
 2447532,2449085,1554
 ID=NCLIV_018340 - 6 [CT]..ATG[ACT]
 2457277,2457372,96,END:Starts:2456742-2456743-2456768-
 2457716,2457887,172,EXACT,AG-GT
 2458178,2458252,75,EXACT,AG-GT
 2458685,2458813,129,EXACT,AG-GT
 2459212,2459428,217,EXACT,AG-GT
 2460230,2460629,400,START:Ends:2461244-2461217-2460736-
 ID=NCLIV_018350 - 2 G..ATGG
 2462989,2466928,3940
 2467407,2473522,6116
 ID=NCLIV_018370 - 1 GAAATGA
 2484970,2485440,471
 ID=NCLIV_018390 - 4 A..ATG
 2498256,2498597,342,END:Starts:2497496-2497435-2497422-
 2499110,2499189,80,EXACT,AG-GT
 2499343,2499401,59,EXACT,AG-GT
 2499654,2499841,188,START:Ends:2501485-2501074-2501107-
 ID=NCLIV_0184- 6 G..ATGG
 2513744,2513874,131
 2513991,2514202,212
 2514788,2514915,128
 2515702,2515844,143
 2516470,2516610,141
 2517033,2517093,61
 ID=NCLIV_018440 - 6 GGGATGT
 2537346,2537391,46
 2537766,2537853,88,EXACT,AG
 2538497,2539001,505,EXACT,AG-GT
 2539463,2539517,55
 2540073,2540357,285,END: start -8 AG
 2541660,2542501,842,START:Ends:2544262-2543814-
 ID=NCLIV_018460 - 3 A..ATG
 2547038,2547435,398
 2547984,2548130,147
 2548909,2549608,700
 ID=NCLIV_018470 - 3 G..ATGG
 2552707,2552931,225
 2553426,2553548,123
 2553954,2554715,762
 ID=NCLIV_018490 - 1 A..ATG
 2565046,2565777,732
 ID=NCLIV_018500 - 16 A..ATG
 2570355,2570420,66,END:Starts:2569040-2568113-
 2571228,2571497,270,EXACT,AG-GT
 2572017,2572106,90,EXACT,AG-GT
 2572444,2572785,342,EXACT,AG-GT
 2573341,2573466,126,EXACT,AG-GT
 2573567,2573631,65,START: end 120 GT
 2574052,2574140,89
 2574399,2574454,56
 2574804,2574937,134
 2575177,2575254,78
 2575429,2575507,79
 2575902,2576386,485
 2576892,2577048,157
 2577563,2577790,228

2578310,2578394,85
 2580652,2580755,104
 ID=NCLIV_018530 - 5 GAAATGC
 2598046,2598123,78,END:Starts:2597384-2597392-2597374-
 2598409,2598591,183,EXACT,AG-GT
 2599013,2599249,237,EXACT,AG-GT
 2599723,2599891,169,EXACT,AG-GT
 2600181,2602381,2201,START:EXACT
 ID=NCLIV_018540 - 2 A..ATG
 2607650,2608053,404,END:Starts:2607296-2607268-2607239-
 2609017,2609074,58,START:Ends:2609771-2609604-2609699-
 ID=NCLIV_018560 - 7 A..ATG
 2617424,2617903,480,END:Starts:2616690-2615506-
 2618185,2618583,399,EXACT,AG-GT
 2618764,2618900,137,EXACT,AG-GT
 2619189,2619738,550,EXACT,AG-GT
 2620025,2620297,273,EXACT,ATG:AG-GT
 2620595,2620933,339,EXACT,AG-GT
 2621400,2621768,369,START:Ends:2622842-2622696-2622833-
 ID=NCLIV_018580 - 1 TCGATGG
 2637286,2637630,345
 ID=NCLIV_018610 - 4 [CT]..ATG[ACT]
 2656388,2656957,570,END:Starts:2650350-2655852-2655896-
 2657249,2657355,107,EXACT,AG-GT
 2658173,2658385,213,START: end 1258 GT
 2658440,2659130,691,OVER:Ends:2659643-2659546-2660205-
 ID=NCLIV_018650 - 19 A..ATG
 2678529,2679214,686,END:Starts:2677698-2677561-2677659-
 2679612,2679712,101,EXACT,AG-GT
 2680159,2680297,139,START: end -69 GT
 2680993,2681135,143
 2681423,2681503,81
 2681847,2681886,40
 2682327,2682360,34
 2683124,2683513,390
 2683861,2684589,729
 2685230,2685276,47
 2685462,2685519,58
 2685774,2686165,392
 2686452,2686522,71
 2687233,2687353,121
 2687916,2687949,34
 2688395,2688559,165
 2689439,2689516,78
 2690197,2690289,93,END: start -3 AG
 2690765,2691193,429,START:Ends:2692554-2692011-
 ID=NCLIV_018670 - 7 A..ATG
 2703193,2703983,791,END:Starts:2701778-2701744-2701775-
 2704439,2704571,133,EXACT,AG-GT
 2704870,2705022,153,EXACT,AG-GT
 2705516,2705755,240,EXACT,AG-GT
 2706082,2706170,89,START: end -44 GT
 2706565,2707222,658
 2707642,2708067,426
 ID=NCLIV_018690 - 3 [CT]..ATG[ACT]
 2715566,2715690,125,END:EXACT
 2716779,2716891,113,END: start -318 AG-GT (ref:AC-GT)<< Possible error
 2717424,2719633,2210,START:Ends:2720190-2720208-2721767-
 ID=NCLIV_018700 - 33 GTGATGC
 2725327,2725368,42

2725569,2725792,224
 2727093,2727209,117
 2728260,2728351,92
 2728612,2728933,322
 2729058,2729106,49
 2731425,2731648,224
 2732949,2733065,117
 2734116,2734207,92
 2734473,2734895,423
 2735553,2735698,146
 2737285,2737508,224
 2738809,2738925,117
 2739976,2740073,98
 2740339,2740761,423
 2741418,2741563,146
 2743150,2743373,224
 2744674,2744765,92
 2745837,2745938,102
 2746204,2746626,423
 2747284,2747309,26
 2749017,2749240,224
 2749755,2749838,84
 2750223,2750314,92
 2750635,2750723,89
 2751234,2751491,258
 2751903,2752043,141
 2752205,2752287,83
 2752678,2752783,106,END: start 4 AG
 2753283,2753403,121,EXACT,AG-GT
 2753862,2753959,98,EXACT,AG-GT
 2754367,2754576,210,EXACT,AG-GT
 2755192,2755311,120,START:EXACT
 ID=NCLIV_018720 - 5 [CT]..ATG[ACT]
 2764459,2766225,1767
 2766608,2769573,2966
 2769934,2771050,1117,END: start 638 AG
 2771697,2771927,231,EXACT,AG-GT
 2772402,2772647,246,START:Ends:2773340-2773401-
 ID=NCLIV_018740 - 4 A..ATG
 2787206,2787271,66,END:EXACT
 2787609,2787760,152,EXACT,AG-GT
 2788211,2788491,281,EXACT,AG-GT
 2788878,2790514,1637,START:Ends:2791553-2791566-
 ID=NCLIV_018760 - 3 A..ATG
 2798420,2799936,1517
 2800333,2800447,115
 2800699,2800908,210
 ID=NCLIV_018770 - 4 [CT]..ATG[ACT]
 2809238,2809265,28
 2809761,2809770,10
 2810295,2810413,119
 2811112,2811674,563
 ID=NCLIV_018780 - 1 TCCATGG
 2816098,2818275,2178
 ID=NCLIV_018800 - 11 A..ATG
 2831762,2832000,239,END:Starts:2831040-2831074-2830881-
 2832333,2832461,129,EXACT,AG-GT
 2832684,2832814,131,EXACT,AG-GT
 2833356,2833519,164,EXACT,AG-GT
 2833613,2833776,164,EXACT,AG-GT

2834319,2834465,147,EXACT,AG-GT
 2834858,2835023,166,EXACT,AG-GT
 2835546,2835742,197,EXACT,AG-GT
 2836169,2836235,67,EXACT,AG-GT
 2836753,2836854,102,EXACT,AG-GT
 2837212,2839083,1872,START:EXACT
 ID=NCLIV_018810 - 8 A..ATG
 2842957,2843139,183,END:Starts:2842164-2842243-2842161-
 2843454,2843644,191,EXACT,AG-GT
 2843955,2844549,595,START: end 4 GT
 2845066,2845635,570,END: start -38 AG
 2845981,2846372,392,EXACT,AG-GT
 2846751,2846819,69,EXACT,AG-GT
 2847406,2847532,127,EXACT,AG-GT
 2847976,2848176,201,START:Ends:2849512-2848307-2849499-
 ID=NCLIV_018830 - 4 A..ATG
 2860648,2862430,1783,END:Starts:2858532-2860196-2860223-
 2862587,2862725,139,START: end 3 AG-GT
 2862827,2863028,202,END: start 17 AG (ref:AC-GT)<< Possible error
 2863502,2863747,246,START:Ends:2864082-2864036-2864074-
 ID=NCLIV_018850 - 12 A..ATG
 2868660,2868866,207,END:Starts:2866833-2868451-2868428-
 2869128,2869233,106,EXACT,AG-GT
 2869517,2869638,122,EXACT,AG-GT
 2870357,2870482,126,START: end 22 GT
 2870949,2871071,123
 2871436,2871628,193
 2871987,2872395,409
 2872525,2872725,201
 2872958,2873072,115
 2873564,2873707,144
 2874087,2874265,179,END: start 1 AG (ref:AC-GT)<< Possible error
 2875150,2875666,517,START:Ends:2879714-2876351-2881436-
 ID=NCLIV_0188- 15 A..ATG
 2881543,2881695,153
 2882177,2882287,111,END: start 2 AG (ref:AC-GT)<< Possible error
 2883067,2883674,608,START: end 138 AG-GT
 2884167,2884359,193,EXACT,GT
 2885422,2885488,67
 2886093,2886362,270,END: start -197 AG
 2886787,2886872,86,START: end -32 GT
 2887116,2887422,307
 2887769,2887989,221,EXACT,AG-GT
 2888556,2888831,276,START: end -20 GT
 2889031,2889513,483
 2889770,2889843,74
 2890318,2890444,127
 2890626,2890697,72
 2891109,2891186,78
 ID=NCLIV_018870 - 8 G..ATGG
 2894764,2894857,94
 2895302,2895519,218
 2895956,2896465,510
 2897111,2897587,477
 2898097,2898366,270
 2899030,2899202,173
 2899904,2901092,1189
 2902835,2903353,519
 ID=NCLIV_018900 - 5 A..ATG
 2913566,2913938,373

2914288,2914488,201
 2915215,2915269,55,OVER: start -232 and end 726 AG (ref:AC-GT)<< Possible error
 2916223,2916531,309,EXACT,TAG|TGAI|TAA:AG-GT
 2917693,2918209,517,START:Ends:2918467-2917902-2918465-
 ID=NCLIV_018920 - 6 A..ATG
 2931552,2931692,141
 2932483,2932657,175
 2932996,2933257,262
 2933924,2934162,239
 2934587,2934632,46
 2935035,2935122,88
 ID=NCLIV_018940 - 9 A..ATG
 2943646,2944029,384,END:Starts:2941031-2940976-2940944-
 2944288,2944375,88,EXACT,AG-GT
 2944700,2945044,345,EXACT,AG-GT
 2945248,2945447,200,EXACT,AG-GT
 2946263,2946681,419,EXACT,AG-GT
 2946995,2947301,307,EXACT,AG-GT
 2948049,2948228,180,EXACT,AG-GT
 2948477,2948546,70,EXACT,AG-GT
 2949063,2949154,92,START:Ends:2949724-2949707-2949725-
 ID=NCLIV_018950 - 8 A..ATG
 2951632,2951752,121,END:EXACT
 2952078,2952163,86,START: end 638 AG-GT
 2952728,2952801,74,END: start -650 AG-GT
 2953671,2953728,58,EXACT,AG-GT
 2954236,2954308,73,START: end 406 AG-GT
 2954554,2954714,161,END: start -318 AG-GT
 2955193,2955426,234,EXACT,AG-GT
 2955963,2955986,24,START:Ends:2956331-2956305-2956339-
 ID=NCLIV_018980 - 1 A..ATG
 2972368,2973393,1026,OVER:Starts:2976539-2968933-
 ID=NCLIV_019000 - 2 A..ATG
 2980111,2981000,890,END:EXACT
 2981337,2981844,508,START:Ends:2983178-2982804-
 ID=NCLIV_019020 - 7 A..ATG
 2998991,2999127,137,END:Starts:2997635-2997615-
 2999775,2999865,91,OVER: start -2149 and end 467 AG
 3000093,3000332,240,END: start -2467 AG
 3000794,3000897,104,EXACT,GT
 3001101,3001361,261,END: start -3 AG (ref:AC-GT)<< Possible error
 3001687,3003169,1483,EXACT,AG-GT
 3003460,3004917,1458,START:Ends:3007038-3006033-3007094-
 ID=NCLIV_019030 - 8 GCCATGC
 3010364,3010755,392,END:EXACT
 3011394,3012342,949,EXACT,AG-GT
 3012712,3012945,234,EXACT,AG-GT
 3013150,3013395,246,EXACT,AG-GT
 3013738,3014231,494,EXACT,AG-GT
 3014906,3016760,1855,EXACT,AG-GT
 3017112,3017729,618,EXACT,AG-GT
 3018418,3021141,2724,START:Ends:3022249-3018724-3022595-
 ID=NCLIV_019050 - 10 GAAATGA
 3029909,3030411,503,END:Starts:3029248-3029309-3029307-
 3031004,3031949,946,START: end 223 GT
 3032346,3032564,219
 3033103,3034077,975
 3034650,3035555,906
 3035834,3036069,236
 3036349,3036559,211,END: start 31 AG

3037538,3037779,242,EXACT,ATG:AG-GT
 3038133,3038336,204,EXACT,AG-GT
 3038675,3041381,2707,START:Ends:3041271-3039356-
 ID=NCLIV_019080 - 2 A..ATG
 3064490,3065352,863
 3065470,3066103,634
 ID=NCLIV_019100 - 1 G..ATGG
 3072376,3074304,1929
 ID=NCLIV_019120 - 10 [CT]..ATG[ACT]
 3083165,3083201,37,END:Starts:3082493-3082404-3080247-
 3083669,3083720,52,EXACT,AG-GT
 3084104,3084140,37,EXACT,AG-GT
 3084559,3084672,114,EXACT,AG-GT
 3084926,3084995,70,EXACT,AG-GT
 3085642,3085703,62,EXACT,AG-GT
 3086137,3086202,66,EXACT,AG-GT
 3086625,3086725,101,START: end 165 AG-GT
 3087284,3087475,192,EXACT,AG-GT
 3087995,3089060,1066,START:Ends:3090249-3090250-
 ID=NCLIV_019150 - 5 GCAATGC
 3104902,3104967,66,OVER:EXACT
 3105512,3105571,60,END: start -796 AG (ref:AC-GT)<< Possible error
 3106288,3106396,109,START: end 53 GT
 3106893,3107110,218
 3107619,3109289,1671
 ID=NCLIV_019170 - 8 A..ATG
 3116315,3116368,54
 3116865,3116984,120
 3117368,3117499,132
 3117893,3117984,92
 3118540,3118674,135
 3119200,3119293,94
 3119781,3119853,73
 3120019,3120101,83
 ID=NCLIV_019190 - 5 A..ATG
 3130139,3130373,235,END:EXACT
 3130758,3130825,68,EXACT,AG-GT
 3131116,3131574,459,EXACT,AG-GT
 3132039,3132123,85,EXACT,AG-GT
 3132737,3134772,2036,START:Ends:3135617-3134654-3135501-
 ID=NCLIV_019220 - 1 A..ATG
 3157317,3158804,1488
 ID=NCLIV_019230 - 2 [CT]..ATG[ACT]
 3160489,3162497,2009
 3162840,3165471,2632
 ID=NCLIV_019260 - 9 CAAATGG
 3183256,3183343,88
 3183667,3183722,56
 3184399,3184564,166
 3187160,3187390,231
 3187808,3187938,131
 3188320,3188379,60
 3189033,3189162,130
 3189683,3189840,158
 3190818,3190829,12
 ID=NCLIV_019280 - 2 G..ATGG
 3206097,3206113,17
 3206448,3207000,553
 ID=NCLIV_019300 - 6 A..ATG
 3227869,3227902,34,END:Starts:3220951-3227438-3227378-

3228451,3228502,52,EXACT,AG-GT
 3228842,3229049,208,EXACT,AG-GT
 3229661,3229776,116,EXACT,AG-GT
 3230075,3230237,163,EXACT,AG-GT
 3230656,3230739,84,START:Ends:3231511-3231307-3231549-
 ID=NCLIV_019320 - 9 A..ATG
 3242475,3242647,173,END:Starts:3242212-3242216-3242196-
 3242876,3243130,255,EXACT,AG-GT
 3243626,3243860,235,EXACT,AG-GT
 3244296,3244384,89,EXACT,AG-GT
 3244977,3245022,46,EXACT,AG-GT
 3245258,3245326,69,EXACT,AG-GT
 3245445,3245513,69,START: end 183 AG-GT (ref:AC-GT)<< Possible error
 3246030,3246065,36,EXACT,AG-GT
 3246581,3246592,12,START:Ends:3247238-3247202-
 ID=NCLIV_019370 - 8 [CT]..ATG[ACT]
 3292758,3292951,194
 3293469,3293796,328,EXACT,AG-GT
 3294209,3294340,132,EXACT,AG-GT
 3294770,3294874,105,START: end 137 AG-GT
 3295439,3295734,296,OVER: start -49 and end 55 AG-GT
 3296290,3296302,13,START: end 101 AG-GT
 3296983,3297147,165,START: end -27 AG-GT
 3297681,3297779,99,START:Ends:3300551-3300518-

CHROMOSOME VIIa – FORWARD

ID=NCLIV_019410 + 11 [CT]..ATG[ACT]
 74513,75380,868,END:Starts:73857-73810-
 75971,76051,81,EXACT,TAGITGAIATAA:AG-GT
 76271,76398,128,EXACT,AG-GT
 77009,77055,47,EXACT,AG-GT
 77518,77647,130,START: end 290 AG-GT
 78039,78101,63,EXACT,AG-GT
 78366,78413,48,EXACT,AG-GT
 79179,79256,78,EXACT,AG-GT
 79619,79885,267,EXACT,AG-GT
 80108,80170,63,EXACT,AG-GT
 80456,80674,219,START:Starts:80456-
 ID=NCLIV_019420 + 30 TCTATGG
 83488,83680,193,END:Starts:80456-
 83978,84160,183,START: end -4 Info:AG-GT-AG-GC-
 84590,84736,147
 84906,84984,79
 85272,85348,77,END: start 7 GT
 85641,85706,66,EXACT,ATG:AG-GT
 86149,86235,87,EXACT,AG-GT
 86382,86467,86,EXACT,AG-GT
 86822,88977,2156,EXACT,AG
 89256,89355,100,EXACT,AG-GT
 89556,89687,132,START: end 377 Info:AG-GT-AG-GC-
 89783,89856,74,OVER: start -227 and end 208 Info:AG-GT-AG-GC-
 90089,90113,25
 90294,90356,63
 90561,90694,134
 90885,90973,89
 91311,91434,124
 91709,91771,63
 92069,92131,63
 92269,92310,42

92421,92483,63
92677,92728,52
93503,93652,150,END: start -2 GT
93909,93957,49,EXACT,AG-GT
94168,94265,98,START: end 86 AG
94475,94719,245,END: start 9 AG-GT
94944,95012,69,EXACT,AG-GT
95128,95221,94,EXACT,AG-GT
95431,95505,75,EXACT,AG-GT
95626,95949,324,START:Ends:97358-97534-
ID=NCLIV_019440 + 3 A..ATG
103443,103462,20
103939,104112,174,END: start -35 AG-GT (ref:AG-GT)<< Possible error
104639,104732,94,START:Ends:105445-105630-105616-
ID=NCLIV_019460 + 7 A..ATG
114126,114681,556,END:Starts:113478-113473-113479-
115016,115180,165,EXACT,TAG|TGA|TAA:AG-GT
115372,115500,129,EXACT,AG-GT
115686,115800,115,EXACT,AG-GT
116043,116127,85,EXACT,AG-GT
116352,116408,57,EXACT,AG-GT
116739,116882,144,START:Ends:117768-117840-117754-
ID=NCLIV_019470 + 1 A..ATG
128717,130300,1584
ID=NCLIV_019500 + 12 G..ATGG
148941,149552,612,END:Starts:148441-148308-
149981,150187,207,EXACT,AG-GT
150447,150680,234,START: end 2 AG
151218,151352,135,END: start 10 GT (ref:AG-GT)<< Possible error
152002,152665,664,EXACT,AG-GT
152933,153079,147,EXACT,AG-GT
153440,153490,51,EXACT,AG-GT
153810,153924,115,EXACT,AG-GT
154438,154651,214,END: start 75 AG-GT (ref:AG-GT)<< Possible error
154903,155088,186,END: start 78 AG-GT (ref:AG-GT)<< Possible error
155436,155517,82,START: end 660 AG
155782,155879,98,OVER:Ends:155502-156267-156177-
ID=NCLIV_019510 + 7 A..ATG
159932,159992,61,END:Starts:158383-159456-159508-
160125,160328,204,EXACT,AG-GT
160504,160752,249,EXACT,AG-GT
160886,161113,228,EXACT,AG-GT
161232,161384,153,START: end 1 AG
161898,161911,14
162143,162343,201
ID=NCLIV_019540 + 14 A..ATG
223983,224096,114,END:EXACT
224470,224599,130,END: start -48 AG-GT (ref:AG-GT)<< Possible error
225041,225202,162,EXACT,AG-GT
225528,225657,130,EXACT,ATG to TAG|TGA|TAA:AG-GT
225840,225913,74,EXACT,AG-GT
226166,226285,120,EXACT,AG-GT
227219,227369,151
227702,227831,130,END: start -3 GT
228207,228286,80,START: end 619 AG
228776,228905,130,END: start -198 GT
229582,229731,150,EXACT,AG-GT
229879,229944,66,EXACT,AG-GT
230477,230569,93,EXACT,AG-GT
230902,230934,33,START:Ends:231734-231765-231741-

ID=NCLIV_019560 + 1 G..ATGG
 247036,255705,8670
 ID=NCLIV_019600 + 5 G..ATGG
 274146,274365,220,END:EXACT
 274848,274995,148,EXACT,AG-GT
 275639,275716,78,EXACT,AG-GT
 276001,276142,142,EXACT,AG-GT
 276668,276724,57,START:Ends:278956-278976-276778-
 ID=NCLIV_019620 + 1 A..ATG
 295472,297121,1650
 ID=NCLIV_019630 + 4 G..ATGG
 299645,302692,3048,OVER:Starts:299483-299588-299581-
 302892,303949,1058,END: start -3311 GT (ref:AG-GT)<< Possible error
 304222,304455,234,EXACT,AG-GT
 305048,305381,334,START:Ends:305862-306685-305906-
 ID=NCLIV_019690 + 3 A..ATG
 353465,354703,1239,END:Starts:349241-352255-352285-
 354892,355500,609,EXACT,AG-GT
 355792,356640,849,START:Ends:358955-359279-358961-
 ID=NCLIV_019710 + 4 G..ATGG
 366666,366745,80,END:Starts:365435-365448-366338-
 367038,367098,61,EXACT,AG-GT
 367704,367812,109,EXACT,AG-GT
 368506,368651,146,START:EXACT
 ID=NCLIV_019740 + 16 GCGATGC
 396513,397488,976,END:Starts:395088-395117-397191-
 397908,398347,440,EXACT,AG-GT
 398565,398719,155,EXACT,AG-GT
 398978,399200,223,EXACT,AG-GT
 399630,399740,111,EXACT,AG-GT
 400094,400222,129,EXACT,AG-GT
 400625,400753,129,EXACT,AG-GT
 401269,401322,54,EXACT,AG-GT
 401551,401583,33,START: end 138 AG-GT (ref:AG-GT)<< Possible error
 402073,402122,50,EXACT,AG-GT
 402460,402514,55,EXACT,AG-GT
 403042,403163,122,START: end -12 AG
 403817,403993,177,END: start -1 GT (ref:AG-GT)<< Possible error
 404530,404638,109,START: end -21 AG
 405187,405297,111,END: start -1 GT (ref:AG-GT)<< Possible error
 405573,405746,174,START:EXACT
 ID=NCLIV_019750 + 26 [CT]..ATG[ACT]
 409418,409602,185
 410126,410213,88
 410480,410553,74,OVER: start -172 and end 604 GT
 411093,411157,65,END: start -785 GT
 411581,411685,105,EXACT,AG-GT
 412188,412244,57,EXACT,AG-GT
 412733,412813,81,EXACT,AG-GT
 413340,413533,194,EXACT,AG-GT
 413884,413973,90,EXACT,AG-GT
 414440,414565,126,EXACT,AG-GT
 414884,415083,200,EXACT,AG-GT
 415327,415426,100,EXACT,AG-GT
 415701,415978,278,EXACT,AG-GT
 416391,416454,64,EXACT,AG-GT
 416869,417033,165,EXACT,AG-GT
 417538,417689,152,EXACT,AG-GT
 418200,418397,198,EXACT,AG-GT
 418500,418626,127,EXACT,AG-GT

419158,419273,116,START: end -4 AG-GT
419736,420180,445,END: start 86 AG-GT (ref:AG-GT)<< Possible error
420769,420815,47,EXACT,AG-GT
421202,421274,73,START: end 294 AG-GT (ref:AG-GT)<< Possible error
421443,421568,126,END: start -241 AG-GT (ref:AG-GT)<< Possible error
421781,422006,226,EXACT,AG-GT
422355,422428,74,EXACT,AG-GT
422792,422959,168,START:Ends:423855-430331-426749-
ID=NCLIV_019760 + 17 CCGATGG
425956,428097,2142
428464,429448,985,OVER: start -1650 and end 883 AG-GT (ref:AG-GT)<< Possible error
429676,430331,656,END: start -2862 AG-GT (ref:AG-GT)<< Possible error
430653,431111,459,EXACT,AG-GT
431474,431643,170,EXACT,AG-GT
431980,432323,344,EXACT,AG-GT
432603,432901,299,EXACT,AG-GT
433060,433988,929
434448,434969,522
435236,435607,372
436068,436399,332
436748,437023,276
437516,439050,1535
439424,439644,221
439771,440200,430
440737,440793,57
440924,442009,1086
ID=NCLIV_019770 + 6 TTGATGG
444615,444795,181,END:EXACT
444936,445075,140,EXACT,AG-GT
445237,445770,534,EXACT,AG-GT
445882,446059,178,EXACT,AG-GT
446189,446468,280,EXACT,AG-GT
446566,446815,250,START:EXACT
ID=NCLIV_019780 + 4 G..ATGG
449616,450786,1171,END:Starts:449574-449400-
450887,450958,72,END: start -3 AG-GT (ref:AG-GT)<< Possible error
451171,451579,409,EXACT,AG-GT
451683,452319,637,START:Ends:451697-453225-451809-
ID=NCLIV_019790 + 7 GACATGA
459946,459954,9
460015,460104,90
460157,460210,54
460269,460330,62
460386,460518,133
460563,460637,75
460699,460719,21
ID=NCLIV_019830 + 5 A..ATG
484079,484263,185,END:EXACT
484495,484549,55,EXACT,AG-GT
484899,485075,177,START: end 497 AG-GT
485389,485572,184,END: start -490 AG-GT
485898,486085,188,START:Ends:486861-486728-
ID=NCLIV_019840 + 2 A..ATG
489617,490232,616,END:Starts:488673-488715-
491662,492005,344,START:Ends:492949-491976-
ID=NCLIV_019850 + 14 CAGCGCG
493425,493497,73,START:Ends:493497-493496-
494320,494405,86,END: start 14 GT
495021,495210,190,EXACT,AG-GT
495785,495880,96,END: start -6 AG-GT

496508,496653,146,EXACT,AG-GT
 496915,497026,112,EXACT,AG-GT
 497591,497775,185,EXACT,AG-GT
 498877,498952,76,EXACT,AG-GT
 499296,499394,99,EXACT,AG-GT
 499497,499770,274,START: end -46 AG
 500087,500141,55,END: start -2 GT
 500442,500498,57,EXACT,AG-GT
 500955,500990,36,EXACT,AG-GT
 501391,501681,291,START:Ends:503336-503399-
 ID=NCLIV_019860 + 11 GCCATGC
 505163,505173,11,OVER:Starts:503477-504575-504784-
 505835,506216,382,OVER: start -1260 and end 9073 GT (ref:AG-GT)<< Possible error
 507225,515289,8065,END: start -2650 GT (ref:AG-GT)<< Possible error
 516513,516631,119,END: start -666 AG-GT (ref:AG-GT)<< Possible error
 517532,529245,11714,END: start -369 AG-GT
 529556,529663,108,EXACT,AG-GT
 530185,530469,285,EXACT,AG-GT
 530719,531035,317,EXACT,AG-GT
 531661,531764,104,EXACT,AG-GT
 532188,532484,297,EXACT,AG-GT
 532872,532991,120,START:Ends:533618-536166-533290-
 ID=NCLIV_019890 + 4 A..ATG
 564034,565218,1185,END:Starts:563601-563613-563627-
 565484,565612,129,EXACT,AG-GT
 565877,566032,156,EXACT,AG
 566340,566474,135
 ID=NCLIV_019920 + 7 TGCATGG
 667009,667086,78,END:Starts:665925-665951-
 667337,667619,283,EXACT,AG-GT
 668118,668446,329,EXACT,AG-GT
 668802,669038,237,EXACT,AG-GT
 669415,669659,245,EXACT,AG-GT
 670324,670591,268,EXACT,AG-GT
 671019,671339,321,START:Ends:671968-672341-673254-
 ID=NCLIV_019940 + 4 A..ATG
 687800,687883,84,END:Starts:685993-686518-686317-
 688362,688541,180,EXACT,AG-GT
 689025,689138,114,EXACT,AG-GT
 689928,690005,78,OVER:Ends:690228-690253-691441-
 ID=NCLIV_019960 + 8 A..ATG
 696405,696493,89,END:Starts:695810-695897-695947-
 696678,696885,208,EXACT,AG-GT
 697397,697484,88,EXACT,AG-GT
 697830,697991,162,EXACT,AG-GT
 698170,698359,190,EXACT,AG-GT
 698962,699299,338,EXACT,AG-GT
 699885,700354,470,EXACT,AG-GT
 700696,700947,252,START:EXACT
 ID=NCLIV_019970 + 1 A..ATG
 703872,704390,519
 ID=NCLIV_019980 + 1 [CT]..ATG[ACT]
 706603,707829,1227,OVER:Starts:705933-705931-
 ID=NCLIV_020000 + 7 A..ATG
 717120,717123,4,END:Ends:717030-717123-
 717319,717488,170,EXACT,AG-GT
 717669,717830,162,EXACT,AG-GT
 718030,718116,87,EXACT,AG-GT
 718305,718510,206,EXACT,AG-GT
 718743,718860,118,EXACT,AG-GT

719137,719196,60,START:Ends:721406-721705-720919-
 ID=NCLIV_020010 + 12 A..ATG
 720759,720919,161,OVER:Ends:721406-721705-720919-
 720976,721151,176,OVER: start -1839 and end 255 AG
 721207,721288,82,OVER: start -2070 and end 118 AG
 721927,722379,453
 722437,722783,347
 723194,723396,203
 723449,723569,121
 723627,723770,144
 724899,725149,251
 725204,725495,292
 726018,726269,252
 726405,726583,179
 ID=NCLIV_020030 + 2 TGGATGG
 738033,740994,2962,END:Starts:738347-736883-738398-
 741185,744009,2825,START:Ends:744233-744188-744530-
 ID=NCLIV_020050 + 6 [CT]..ATG[ACT]
 773343,774002,660,OVER:EXACT
 774745,774896,152,EXACT,AG-GT
 775454,775532,79,EXACT,AG-GT
 775728,775808,81
 775865,776054,190,EXACT,AG-GT
 776438,776517,80,START:Ends:776467-777191-776450-
 ID=NCLIV_020070 + 5 A..ATG
 785147,785374,228,END:Starts:784832-784484-784742-
 785809,786038,230,EXACT,TAG|TGA|TAA:AG-GT
 786576,786772,197,EXACT,AG-GT
 787015,787092,78,EXACT,AG-GT
 787695,788482,788,START:Ends:788953-789049-789012-
 ID=NCLIV_020080 + 1 A..ATG
 791583,792689,1107
 ID=NCLIV_020090 + 1 G..ATGG
 794439,795620,1182
 ID=NCLIV_020091 + 1 G..ATGG
 797036,798220,1185
 ID=NCLIV_020092 + 1 G..ATGG
 799632,800816,1185
 ID=NCLIV_020093 + 1 G..ATGG
 802567,803745,1179
 ID=NCLIV_020100 + 1 G..ATGG
 805159,806337,1179
 ID=NCLIV_020110 + 1 GGCATGC
 807752,808933,1182
 ID=NCLIV_020130 + 11 A..ATG
 815170,816349,1180
 817109,819014,1906
 819462,820360,899
 821076,826973,5898,END: start 4739 GT
 827345,827661,317,START: end -43 AG
 828020,831867,3848,END: start 1431 GT
 832295,833198,904,EXACT,AG-GT
 833515,833760,246,EXACT,AG-GT
 834194,835717,1524,EXACT,AG
 836131,836651,521,EXACT,GT
 837371,837527,157,START:Ends:839018-838908-
 ID=NCLIV_020140 + 3 A..ATG
 841194,841421,228,END:Starts:839800-839998-840046-
 842017,842122,106,EXACT,AG-GT
 842700,842941,242,START:Ends:842979-843146-843136-

ID=NCLIV_020160 + 9 A..ATG
 853838,855304,1467,END:Starts:853546-853549-853459-
 855940,856361,422,EXACT,AG-GT
 856840,857137,298,EXACT,AG-GT
 857657,857869,213,EXACT,AG-GT
 858335,858427,93,EXACT,AG-GT
 858599,858912,314,EXACT,AG-GT
 859478,859518,41,EXACT,AG-GT
 859759,859827,69,EXACT,AG-GT
 860352,860746,395,START:Ends:860995-861017-866217-
 ID=NCLIV_020170 + 2 G..ATGG
 862938,863531,594
 863592,865418,1827
 ID=NCLIV_020190 + 9 G..ATGG
 874128,874866,739,END:EXACT
 875517,876004,488,EXACT,AG-GT
 876410,876724,315,EXACT,AG-GT
 877183,877252,70,EXACT,AG-GT
 877676,878514,839,EXACT,Info:AG-GT-Stop Codon:AG-GT-donor=GG-
 878869,879052,184,END: start -133 GT
 879477,879649,173,EXACT,AG-GT
 880156,880263,108,EXACT,AG-GT
 880784,880921,138,START:Ends:884738-886191-
 ID=NCLIV_020220 + 3 A..ATG
 893041,893043,3,END:Starts:892596-892811-892815-
 894028,894918,891,EXACT,AG-GT
 895122,896726,1605,START:Ends:897540-897600-897465-
 ID=NCLIV_020240 + 6 CTCATGG
 902996,903121,126
 903176,903215,40
 903252,903314,63
 903372,903501,130
 903553,903578,26
 903636,903652,17
 ID=NCLIV_020250 + 9 A..ATG
 905324,905410,87,END:Starts:904805-904796-
 906321,906443,123,EXACT,AG-GT
 906663,907172,510,EXACT,AG-GT
 907513,907867,355,EXACT,AG-GT
 908227,908326,100,START: end -17 AG
 908688,908803,116,END: start -4 GT (ref:AG-GT)<< Possible error
 909255,909350,96,EXACT,ATG:AG-GT
 909759,909922,164,EXACT,AG-GT
 910562,910681,120,START:Ends:911055-911007-
 ID=NCLIV_020280 + 3 [CT]..ATG[ACT]
 926328,926817,490
 927296,928025,730
 928624,928696,73
 ID=NCLIV_020290 + 17 A..ATG
 929116,929435,320
 929507,929558,52
 929613,929682,70
 929738,929810,73
 929866,930005,140
 930064,930354,291
 930407,930542,136
 930600,930733,134
 930791,930813,23
 930868,931000,133
 931055,931089,35

931141,931186,46
 931245,931337,93
 931640,931713,74
 931779,932014,236
 932074,932095,22
 932145,932300,156
 ID=NCLIV_020310 + 5 A..ATG
 939033,939288,256,END:EXACT
 939737,939897,161,START: end -24 AG
 940577,940726,150,END: start -1 GT (ref:AG-GT)<< Possible error
 940968,941226,259,EXACT,Info:donor=GG-AG-GT-AG-GC-
 941763,942100,338
 ID=NCLIV_020320 + 1 A..ATG
 944862,947243,2382
 ID=NCLIV_020340 + 19 A..ATG
 950530,950914,385,END:Starts:949429-950108-
 951222,951395,174,EXACT,AG-GT
 951923,952057,135,EXACT,AG-GT
 952859,953011,153,START: end 346 AG
 953683,954090,408,END: start -2 GT
 954722,954987,266,EXACT,AG-GT
 955325,955360,36,EXACT,AG-GT
 955723,956026,304,START: end -1 AG
 956563,957390,828
 957727,957770,44
 958412,958499,88
 959076,959326,251,END: start 18 GT
 959554,960447,894,EXACT,AG-GT
 960764,961050,287,START: end 3 AG (ref:AG-GT)<< Possible error
 961536,961780,245,END: start 5 GT
 962351,962773,423,EXACT,ATG:AG-GT
 963314,963727,414,EXACT,AG-GT
 964064,965479,1416,EXACT,AG-GT
 966294,967321,1028,START:EXACT
 ID=NCLIV_020360 + 2 A..ATG
 976716,976805,90,END:Starts:976605-976594-976598-
 977559,977897,339,START:Ends:978027-978052-977953-
 ID=NCLIV_020380 + 4 G..ATGG
 982767,984417,1651,END:Starts:979153-981456-981574-
 984843,984941,99,EXACT,AG-GT
 985306,985430,125,EXACT,AG-GT
 985739,985828,90,START:Ends:986029-985991-986091-
 ID=NCLIV_020410 + 1 A..ATG
 1006673,1008121,1449
 ID=NCLIV_020420 + 2 A..ATG
 1014374,1017506,3133
 1018337,1022082,3746
 ID=NCLIV_020440 + 9 A..ATG
 1041331,1041584,254
 1042077,1042259,183,END: start 1 GT (ref:AG-GT)<< Possible error
 1042561,1042745,185,EXACT,AG-GT
 1043044,1045100,2057,EXACT,AG-GT
 1045398,1045647,250,EXACT,AG-GT
 1046077,1046135,59,EXACT,AG-GT
 1046854,1046917,64,START: end 219 AG-GT
 1047470,1047651,182,END: start -148 AG-GT (ref:AG-GT)<< Possible error
 1048102,1048212,111,START:Ends:1048770-1048823-1050386-
 ID=NCLIV_020450 + 3 A..ATG
 1050314,1050386,73,END:Starts:1050203-1049863-1048102-
 1051248,1051414,167,EXACT,AG-GT

1051698,1052057,360,START:Ends:1053074-1053105-1052593-
 ID=NCLIV_020470 + 2 A..ATG
 1062621,1066332,3712,END:Starts:1061738-1063978-1064095-
 1066646,1067871,1226,START:Ends:1068510-1068348-1068591-
 ID=NCLIV_020490 + 2 A..ATG
 1074805,1074983,179,END:Starts:1074252-1074291-1074354-
 1075464,1075803,340,START:Ends:1076838-1076684-1076847-
 ID=NCLIV_020500 + 2 A..ATG
 1079534,1079708,175
 1080384,1083505,3122
 ID=NCLIV_020510 + 11 [CT]..ATG[ACT]
 1086173,1086615,443,END:EXACT
 1087083,1087173,91,EXACT,AG-GT
 1087981,1089217,1237,EXACT,AG-GT
 1089637,1089725,89,EXACT,AG-GT
 1090400,1090441,42,START: end -2 AG
 1090987,1091056,70,END: start -50 GT
 1092108,1092329,222,EXACT,AG-GT
 1093029,1093090,62,EXACT,AG-GT
 1093506,1093608,103,EXACT,AG-GT
 1094123,1094172,50,EXACT,AG-GT
 1094501,1094545,45,START:EXACT
 ID=NCLIV_020520 + 3 A..ATG
 1097349,1098204,856
 1098987,1099856,870
 1100144,1100454,311
 ID=NCLIV_020530 + 12 CCAATGG
 1104845,1108609,3765,END:Starts:1104684-1104077-
 1109144,1111930,2787,START: end -2765 AG
 1112657,1113381,725,END: start 30 GT (ref:AG-GT)<< Possible error
 1113944,1114004,61,START: end 948 AG-GT
 1114734,1114952,219,END: start -790 AG-GT
 1115385,1117571,2187,EXACT,AG-GT
 1118044,1119480,1437,END: start 574 AG-GT (ref:AG-GT)<< Possible error
 1120011,1120084,74,EXACT,AG-GT
 1120595,1120862,268,EXACT,AG-GT
 1121475,1121736,262,EXACT,AG-GT
 1122148,1122211,64,EXACT,AG-GT
 1122494,1122629,136,START:Ends:1123782-1123804-1123791-
 ID=NCLIV_020540 + 1 GTTATGA
 1125622,1125849,228
 ID=NCLIV_020550 + 5 [CT]..ATG[ACT]
 1126470,1127049,580,END:Starts:1126324-1126357-1126363-
 1127669,1127814,146,EXACT,AG-GT
 1128009,1128311,303,EXACT,AG-GT
 1128885,1129052,168,START: end -1 AG
 1129283,1129534,252
 ID=NCLIV_020590 + 8 A..ATG
 1149931,1149981,51
 1150036,1150121,86
 1150178,1150260,83
 1150333,1150386,54
 1150451,1150464,14
 1150520,1150555,36
 1150617,1150673,57
 1150731,1150754,24
 ID=NCLIV_020630 + 4 [CT]..ATG[ACT]
 1173325,1173429,105,OVER:Starts:1172372-1172366-
 1173899,1173955,57,EXACT,AG-GT
 1174419,1174493,75,EXACT,AG-GT

1174742,1174825,84,START:Ends:1174887-1174951-1174865-
ID=NCLIV_0206+ 4 G..ATGG
1188794,1189543,750,END:Starts:1188475-1188936-
1189942,1190585,644,END: start 42 AG-GT
1191196,1191271,76,EXACT,AG-GT
1191564,1192112,549,START:Ends:1192346-1192189-1192428-
ID=NCLIV_020690 + 12 A..ATG
1205519,1206088,570
1206382,1206515,134
1207089,1211045,3957
1211235,1215086,3852
1217841,1220678,2838
1223433,1226275,2843
1227094,1230310,3217
1230488,1233902,3415
1234166,1234997,832
1235400,1235473,74
1235810,1235955,146
1236603,1236867,265
ID=NCLIV_020710 + 3 A..ATG
1244541,1245834,1294,END:Starts:1244133-1244183-1244186-
1246128,1246235,108,EXACT,AG-GT
1246596,1246933,338,START:Ends:1249233-1249190-1252715-
ID=NCLIV_020750 + 2 GAAATGC
1263332,1264081,750
1264769,1265563,795
ID=NCLIV_0207+ 8 GAAATGA
1285643,1285699,57,END:Starts:1284276-1282889-
1286425,1286755,331,END: start -439 AG-GT
1287086,1287149,64
1287363,1287465,103,START: end 626 AG-GT
1287801,1288091,291,END: start -438 AG-GT
1288435,1288620,186
1288950,1289033,84
1289738,1289887,150,START:Starts:1290434-1289738-
ID=NCLIV_020790 + 8 G..ATGG
1293177,1293741,565
1294401,1294537,137
1295239,1295355,117
1295691,1295758,68
1295930,1296039,110
1296289,1296367,79
1296692,1297125,434
1297421,1297446,26
ID=NCLIV_020820 + 4 A..ATG
1318439,1318520,82
1318733,1319095,363
1319178,1319409,232
1319767,1320589,823
ID=NCLIV_020840 + 13 A..ATG
1331071,1331298,228,END:Starts:1330772-1330770-1330768-
1331845,1332017,173,EXACT,AG-GT
1332328,1332442,115,EXACT,AG-GT
1333201,1333291,91,EXACT,AG-GT
1333582,1333674,93,EXACT,AG-GT
1334361,1334464,104,EXACT,AG-GT
1334870,1334995,126,EXACT,AG-GT
1335303,1335423,121,EXACT,AG-GT
1336036,1336143,108,EXACT,AG-GT
1336378,1336520,143,EXACT,AG-GT

1336917,1337102,186,EXACT,AG-GT
 1337396,1337526,131,EXACT,AG-GT
 1337920,1338007,88,START:Ends:1338292-1338361-1338302-
 ID=NCLIV_020860 + 2 [CT]..ATG[ACT]
 1347749,1348129,381,END:Starts:1347004-1347044-1347085-
 1348530,1349213,684,START:Ends:1350345-1350953-1350854-
 ID=NCLIV_020880 + 4 A..ATG
 1366492,1366594,103,END:Starts:1361922-1364388-1362581-
 1367133,1367258,126,EXACT,AG-GT
 1367846,1367920,75,START: end 1324 AG
 1368263,1368360,98,OVER:Ends:1369244-1369178-1370241-
 ID=NCLIV_020890 + 7 CAAATGG
 1370782,1373479,2698
 1373750,1373833,84
 1374079,1374213,135
 1374930,1375152,223
 1375532,1375680,149
 1376274,1376366,93
 1377413,1377732,320
 ID=NCLIV_020910 + 1 A..ATG
 1401055,1401924,870
 ID=NCLIV_020920 + 32 A..ATG
 1405093,1405983,891
 1406621,1406738,118,EXACT,AG-GT
 1407195,1407449,255,EXACT,AG-GT
 1407890,1408030,141,EXACT,AG-GT
 1408425,1408767,343,EXACT,AG-GT
 1409161,1409419,259,EXACT,AG-GT
 1409668,1409788,121,EXACT,AG-GT
 1410129,1410262,134,EXACT,AG-GT
 1410559,1410687,129,EXACT,AG-GT
 1410989,1411087,99,EXACT,AG-GT
 1411439,1411551,113,EXACT,AG-GT
 1411971,1412176,206,EXACT,AG-GT
 1412649,1412780,132,EXACT,AG-GT
 1413265,1413355,91,EXACT,AG-GT
 1413702,1413806,105,EXACT,AG-GT
 1414311,1414548,238,EXACT,AG-GT
 1415163,1415790,628,EXACT,AG-GT
 1416064,1416272,209,END: start 21 AG-GT (ref:AG-GT)<< Possible error
 1416711,1416962,252,EXACT,AG-GT
 1417406,1417565,160,EXACT,AG-GT
 1418161,1418262,102,EXACT,AG-GT
 1418614,1418678,65,EXACT,AG-GT
 1418820,1418928,109,EXACT,AG-GT
 1419196,1419320,125,EXACT,AG-GT
 1419715,1419918,204,EXACT,ATG:AG-GT
 1420511,1420606,96,EXACT,AG-GT
 1421103,1421191,89,EXACT,AG-GT
 1421782,1421974,193,EXACT,AG-GT
 1422166,1422764,599,EXACT,AG-GT
 1423318,1423632,315,EXACT,TAG|TGA|TAA:AG-GT
 1424155,1424290,136,EXACT,AG-GT
 1424845,1424940,96,START:Ends:1425528-1425555-1425312-
 ID=NCLIV_020940 + 2 [CT]..ATG[ACT]
 1432022,1432651,630
 1433020,1434981,1962
 ID=NCLIV_020950 + 4 G..ATGG
 1439887,1440799,913,END:Starts:1437532-1437998-1440318-
 1441044,1442626,1583,EXACT,AG

1442935,1443006,72,START: end -2 AG
1443161,1444402,1242
ID=NCLIV_021040 + 10 A..ATG
1524324,1524423,100,END:Starts:1521615-1521611-
1524752,1524897,146,EXACT,AG-GT
1525320,1525429,110,EXACT,AG-GT
1525829,1525925,97,EXACT,AG-GT
1526798,1527177,380,EXACT,AG-GT
1527498,1527537,40,EXACT,AG-GT
1527922,1527981,60,EXACT,AG-GT
1528458,1528558,101,EXACT,AG-GT
1528906,1528962,57,EXACT,AG-GT
1529220,1529652,433,START:Ends:1529297-1530439-1529251-
ID=NCLIV_021050 + 8 A..ATG
1533187,1533439,253,END:Starts:1530739-1532486-1532502-
1533806,1533978,173,EXACT,ATG:AG-GT
1534654,1534807,154,EXACT,AG-GT
1535557,1535705,149,EXACT,AG-GT
1536111,1536422,312,EXACT,AG-GT
1536877,1537033,157,EXACT,AG-GT
1537507,1537782,276,START: end 859 AG
1538058,1539181,1124
ID=NCLIV_021080 + 4 A..ATG
1549561,1549579,19,END:Starts:1549307-1549367-1549383-
1550270,1550530,261,EXACT,AG-GT
1550872,1551102,231,EXACT,AG-GT
1551558,1551829,272,START:EXACT
ID=NCLIV_021110 + 15 [CT]..ATG[ACT]
1566370,1567137,768,END:Starts:1565001-1565116-1565127-
1567779,1568267,489,EXACT,AG-GT
1568692,1568803,112,EXACT,AG-GT
1569108,1569220,113,EXACT,AG-GT
1569678,1569747,70,EXACT,AG-GT
1570200,1570327,128,EXACT,AG-GT
1570779,1570848,70,EXACT,AG-GT
1571212,1571330,119,EXACT,AG-GT
1571718,1571795,78,EXACT,AG-GT
1572487,1572631,145,EXACT,AG-GT
1572882,1573051,170,EXACT,AG-GT
1573668,1573751,84,EXACT,AG-GT
1574073,1575497,1425,END: start 444 GT (ref:AG-GT)<< Possible error
1575932,1576367,436,EXACT,AG-GT
1576618,1577963,1346,START:Ends:1579322-1579459-1579202-
ID=NCLIV_0211+ 9 A..ATG
1599393,1601226,1834
1601555,1605769,4215,END: start 5 GT (ref:AG-GT)<< Possible error
1606337,1606705,369,EXACT,AG-GT
1607199,1607347,149,EXACT,AG-GT
1607547,1607827,281,EXACT,AG-GT
1608340,1608528,189,EXACT,AG-GT
1608951,1609074,124,EXACT,AG-GT
1610024,1610177,154,EXACT,ATG:AG-GT
1610826,1610977,152,START:Ends:1611533-1611542-1611468-
ID=NCLIV_021160 + 3 G..ATGG
1627529,1627887,359
1628029,1628162,134
1628397,1629496,1100
ID=NCLIV_021230 + 4 GACATGA
1683261,1684966,1706,END:Starts:1681590-1681576-1684039-
1685523,1685736,214,EXACT,ATG:AG-GT

1686127,1687117,991,START: end 8 AG-GC
1687940,1689471,1532
ID=NCLIV_021240 + 3 A..ATG
1693184,1695534,2351
1695979,1698241,2263
1698764,1699915,1152
ID=NCLIV_021270 + 8 A..ATG
1728593,1728746,154
1729231,1729364,134
1729706,1729872,167,START: end 1415 GT
1730185,1731840,1656,END: start 1384 AG-GT (ref:AG-GT)<< Possible error
1731971,1732387,417,EXACT,AG-GT
1732846,1732938,93,START: end 4 AG-GT
1733450,1733520,71
1734027,1734115,89,START:Ends:1736295-1734579-1736297-
ID=NCLIV_021280 + 10 [CT]..ATG[ACT]
1738073,1738288,216
1738576,1738659,84,EXACT,AG-GT
1739048,1739108,61,END: start -2 AG-GT (ref:AG-GT)<< Possible error
1739376,1739429,54,EXACT,AG-GT
1739790,1739879,90,EXACT,AG-GT
1740316,1740357,42,EXACT,ATG:AG-GT
1740987,1741019,33,EXACT,AG-GT
1741453,1741491,39,EXACT,AG-GT
1741838,1741923,86,START: end -56 AG-GT (ref:AG-GT)<< Possible error
1742648,1742875,228,START:EXACT
ID=NCLIV_021290 + 1 A..ATG
1745126,1749490,4365
ID=NCLIV_021310 + 24 G..ATGG
1768217,1768394,178
1768735,1768845,111
1769306,1769505,200
1769928,1770084,157
1770519,1770575,57
1770913,1770989,77
1771412,1771464,53
1771804,1771932,129
1772414,1772502,89
1772979,1773042,64
1773396,1773462,67
1774151,1774237,87
1774457,1774544,88
1774937,1775019,83
1775431,1775625,195
1776047,1776954,908
1777439,1777852,414
1778158,1778533,376
1779087,1779183,97
1779401,1779672,272
1780007,1780186,180
1780769,1780924,156
1781513,1781533,21
1782421,1782489,69
ID=NCLIV_021320 + 10 [CT]..ATG[ACT]
1786536,1787402,867,END:Starts:1784960-1784950-
1787744,1788037,294,EXACT,AG-GT
1788291,1788366,76,EXACT,AG-GT
1788715,1788768,54,EXACT,AG-GT
1789083,1789154,72,EXACT,AG-GT
1789598,1789738,141,EXACT,AG-GT

1790322,1790470,149,EXACT,AG-GT
 1791183,1791338,156,EXACT,AG-GT
 1792073,1792251,179,EXACT,AG-GT
 1793057,1793492,436,WITHIN:Starts:1793090-1793057-
 ID=NCLIV_021330 + 5 A..ATG
 1796195,1796347,153
 1796821,1796908,88
 1797372,1797460,89
 1798069,1798146,78
 1798984,1799118,135
 ID=NCLIV_021400 + 7 A..ATG
 1896155,1896761,607
 1897170,1897308,139,END: start -128 GT
 1897733,1897941,209
 1898524,1898564,41
 1899136,1899227,92,EXACT,GT
 1899535,1899819,285,START: end -169 AG-GT
 1900095,1900326,232,START:Ends:1900575-1901197-
 ID=NCLIV_021405 + 6 TTCATGG
 1902125,1902499,375,END:Starts:1901602-1901587-1901612-
 1902939,1903025,87,EXACT,AG-GT
 1903402,1903490,89,EXACT,AG-GT
 1903681,1903765,85,EXACT,AG-GT
 1904493,1904641,149,EXACT,AG-GT
 1905340,1905370,31,START:Ends:1905785-1905772-1905742-
 ID=NCLIV_021430 + 12 A..ATG
 1918251,1918865,615
 1919193,1919445,253
 1920190,1920501,312
 1922871,1923149,279
 1923783,1924021,239
 1924340,1924613,274
 1925359,1925597,239
 1926260,1926448,189
 1927362,1927868,507
 1928396,1928651,256
 1929664,1929785,122
 1930098,1930148,51
 ID=NCLIV_021460 + 7 G..ATGG
 1962169,1962396,228,END:EXACT
 1962698,1963333,636,EXACT,AG-GT
 1963710,1964920,1211,EXACT,AG-GT
 1965385,1965463,79,EXACT,AG-GT
 1965717,1965813,97,EXACT,AG-GT
 1966349,1966421,73,EXACT,AG-GT
 1966812,1966953,142,START:Ends:1967607-1967593-1967622-
 ID=NCLIV_021470 + 2 A..ATG
 1975307,1975606,300
 1975805,1976893,1089
 ID=NCLIV_021480 + 2 A..ATG
 1979892,1980191,300
 1980390,1981478,1089
 ID=NCLIV_021490 + 11 A..ATG
 1981921,1982139,219
 1983474,1983549,76,END: start -30 GT (ref:AG-GT)<< Possible error
 1984088,1984125,38,EXACT,AG-GT
 1984487,1984562,76,START: end -8 AG
 1985061,1985784,724,END: start 1 GT (ref:AG-GT)<< Possible error
 1985939,1986016,78
 1986080,1986830,751,EXACT,AG-GT

1987127,1987372,246,EXACT,ATG:AG-GT
 1987940,1988140,201,EXACT,AG-GT
 1988491,1988532,42,EXACT,AG-GT
 1988967,1989227,261,START:EXACT
 ID=NCLIV_021520 + 6 A..ATG
 2008812,2009568,757
 2010480,2010659,180
 2010996,2011108,113
 2011521,2011679,159
 2012157,2012550,394
 2013048,2013172,125
 ID=NCLIV_021540 + 6 [CT]..ATG[ACT]
 2019807,2020372,566
 2020427,2020486,60
 2021758,2022243,486
 2022834,2022963,130,END: start 17 GT
 2023507,2023722,216,EXACT,AG-GT
 2024141,2024338,198,START:Ends:2025592-2025990-2025944-
 ID=NCLIV_021560 + 14 G..ATGG
 2034623,2034869,247,END:Starts:2034080-2034073-2032505-
 2035321,2035398,78,START: end 188 AG
 2036253,2036607,355,START: end -31 GT
 2037771,2037932,162,EXACT,AG-GT
 2038421,2038513,93,EXACT,AG-GT
 2039082,2039204,123,EXACT,AG-GT
 2039693,2039785,93,EXACT,AG-GT
 2040200,2040353,154,EXACT,AG-GT
 2040555,2040728,174,EXACT,AG-GT
 2041125,2041289,165,EXACT,AG-GT
 2041658,2041726,69,EXACT,AG-GT
 2041831,2041998,168,EXACT,AG-GT
 2042107,2042226,120,EXACT,AG-GT
 2042367,2042402,36,START:Ends:2042840-2042828-2042843-
 ID=NCLIV_021580 + 5 A..ATG
 2050552,2050694,143,END:Starts:2049799-2049774-2049788-
 2051138,2051425,288,EXACT,AG-GT
 2051846,2051953,108,EXACT,AG-GT
 2052282,2052336,55,EXACT,AG-GT
 2052744,2052806,63,START:Ends:2053140-2053148-
 ID=NCLIV_021590 + 7 G..ATGG
 2057182,2057743,562,END:Starts:2054786-2054781-2055254-
 2058305,2058451,147,EXACT,AG-GT
 2058932,2059072,141,EXACT,AG-GT
 2059268,2059446,179,EXACT,AG-GT
 2059923,2060008,86,EXACT,AG-GT
 2060491,2060538,48,EXACT,AG-GT
 2061068,2061158,91,START:Ends:2061853-2061105-2061801-
 ID=NCLIV_021610 + 1 GAGATGT
 2071104,2073440,2337
 ID=NCLIV_021640 + 1 A..ATG
 2109428,2110081,654
 ID=NCLIV_021650 + 10 CGGATGG
 2112972,2114431,1460,END:Starts:2111359-2111474-2111975-
 2114845,2115001,157,START: end 1944 AG-GT
 2115425,2116945,1521,END: start -580 AG-GT
 2117494,2117548,55,START: end -10 AG
 2118132,2118302,171,END: start -425 GT
 2118954,2119102,149,EXACT,AG-GT
 2119429,2119530,102,EXACT,AG-GT
 2120893,2120979,87,EXACT,AG-GT

2121316,2121486,171,EXACT,AG-GT
 2122192,2122323,132,START:Ends:2126634-2124510-2125878-
 ID=NCLIV_021680 + 4 [CT]..ATG[ACT]
 2130428,2131513,1086,OVER:Starts:2129549-2129525-
 2132145,2133043,899
 2133453,2133648,196,OVER: start -16 and end 6 AG-GT
 2134344,2134478,135,OVER:Ends:2135583-2136281-
 ID=NCLIV_021710 + 1 GCCATGT
 2149153,2150787,1635
 ID=NCLIV_021730 + 1 A..ATG
 2163979,2164674,696
 ID=NCLIV_021740 + 13 A..ATG
 2166888,2167244,357,END:Starts:2165884-2165900-2166897-
 2168336,2168472,137,EXACT,AG-GT
 2168659,2168830,172,EXACT,AG-GT
 2169424,2169523,100,EXACT,AG-GT
 2169958,2170138,181,EXACT,AG-GT
 2170536,2170791,256,EXACT,AG-GT
 2171107,2171219,113,EXACT,AG-GT
 2172121,2172169,49,EXACT,AG-GT
 2172499,2172994,496,START: end 696 AG
 2173338,2173690,353,END: start -839 AG
 2173954,2174005,52,EXACT,AG-GT
 2174353,2174461,109,EXACT,AG-GT
 2174860,2175979,1120,START:Ends:2177307-2179684-
 ID=NCLIV_021750 + 9 A..ATG
 2180168,2180978,811
 2182170,2182483,314
 2182868,2183145,278
 2183836,2185145,1310
 2186443,2186915,473
 2187448,2187709,262
 2188605,2188837,233
 2189352,2189829,478
 2190267,2191207,941
 ID=NCLIV_021770 + 14 GAGATGA
 2213958,2213986,29,END:EXACT
 2214499,2214640,142,EXACT,AG-GT
 2215095,2215166,72,EXACT,AG-GT
 2215612,2215751,140,EXACT,AG-GT
 2216048,2216141,94,EXACT,AG-GT
 2216441,2216551,111,EXACT,AG-GT
 2216945,2217124,180,EXACT,AG-GT
 2217648,2217773,126,EXACT,AG-GT
 2218290,2218502,213,EXACT,AG-GT
 2218923,2219007,85,EXACT,AG-GT
 2219495,2219586,92,EXACT,AG-GT
 2220144,2220281,138,EXACT,AG-GT
 2220857,2220907,51,EXACT,AG-GT
 2221563,2221637,75,START:Ends:2223463-2223459-
 ID=NCLIV_021790 + 2 A..ATG
 2236274,2238603,2330,END:Starts:2236215-2234938-2236613-
 2238965,2241596,2632,START:Ends:2242971-2242447-2242460-
 ID=NCLIV_021810 + 1 A..ATG
 2291875,2293176,1302
 ID=NCLIV_021830 + 2 A..ATG
 2299282,2299404,123
 2299460,2300446,987
 ID=NCLIV_021840 + 5 GCCATGC
 2301121,2301744,624

2301801,2301963,163
 2302018,2302105,88
 2302167,2302357,191
 2302414,2302721,308
 ID=NCLIV_021850 + 8 A..ATG
 2304217,2304373,157,END:Starts:2303868-2303874-2303884-
 2304592,2304656,65,EXACT,AG-GT
 2304907,2305061,155,EXACT,AG-GT
 2305197,2305324,128,EXACT,AG-GT
 2305423,2305534,112,EXACT,AG-GT
 2305905,2305938,34,EXACT,AG-GT
 2306055,2306139,85,EXACT,AG-GT
 2306278,2306447,170,START:EXACT
 ID=NCLIV_021870 + 1 G..ATGG
 2316088,2323197,7110
 ID=NCLIV_021880 + 4 A..ATG
 2326308,2326370,63
 2326877,2329805,2929
 2330589,2330950,362
 2331350,2331571,222
 ID=NCLIV_021910 + 8 A..ATG
 2347040,2347050,11
 2349033,2349384,352
 2349595,2350227,633
 2350746,2351012,267
 2351404,2351613,210
 2352258,2352446,189
 2352861,2353886,1026,END: start 742 GT
 2354592,2354657,66,START:Ends:2355030-2354903-
 ID=NCLIV_021930 + 3 A..ATG
 2370535,2374221,3687
 2375816,2378287,2472
 2378628,2379815,1188
 ID=NCLIV_021950 + 4 G..ATGG
 2403103,2403552,450
 2404312,2404561,250
 2405141,2406592,1452
 2407237,2411261,4025
 ID=NCLIV_021970 + 14 A..ATG
 2416718,2417436,719,END:Starts:2412347-2415273-2414553-
 2418036,2418300,265,START: end -89 AG-GC
 2419110,2419415,306,END: start -221 AG-GT (ref:AG-GT)<< Possible error
 2419806,2420627,822,EXACT,AG-GT
 2421443,2421811,369,EXACT,AG-GT
 2422263,2422441,179,EXACT,AG-GT
 2423039,2423147,109,EXACT,AG-GT
 2423574,2423736,163,EXACT,AG-GT
 2424250,2424415,166,EXACT,AG-GT
 2424799,2424979,181,EXACT,AG-GT
 2425569,2425796,228,EXACT,AG-GT
 2426012,2426093,82,EXACT,AG-GT
 2426641,2426945,305,START: end 4521 AG
 2427663,2427755,93,OVER:Ends:2431504-2431032-2431466-
 ID=NCLIV_021990 + 1 G..ATGG
 2434356,2435258,903
 ID=NCLIV_022010 + 5 A..ATG
 2440266,2440560,295
 2440618,2440742,125
 2440802,2440847,46
 2440903,2440962,60

2441031,2441155,125
ID=NCLIV_022020 + 2 GGCATGT
2443480,2446958,3479,END:Starts:2444703-2442869-
2447158,2447434,277,START:Starts:2447158-
ID=NCLIV_022040 + 6 [CT]..ATG[ACT]
2456036,2456208,173,END:Starts:2456160-2456055-2456011-
2456684,2457080,397,END: start -111 AG-GT (ref:AG-GT)<< Possible error
2457623,2457718,96,START: end 17 AG-GT
2458079,2458312,234,START: end -55 AG-GC (ref:AG-GT)<< Possible error
2459063,2459095,33,END: start -67 AG-GT
2460057,2460191,135,START:Ends:2460265-2460792-
ID=NCLIV_022050 + 6 GCCATGC
2462736,2462858,123,END:Starts:2461767-2461800-2462676-
2463468,2463783,316,EXACT,AG-GT
2464210,2464260,51,EXACT,AG-GT
2464590,2464735,146,EXACT,AG-GT
2465134,2465199,66,EXACT,AG-GT
2465721,2465864,144,START:Ends:2468043-2468037-2469800-
ID=NCLIV_022060 + 4 A..ATG
2471530,2471934,405,END:Starts:2470984-2470278-
2472418,2472494,77,EXACT,AG-GT
2472928,2473142,215,EXACT,AG-GT
2473332,2478178,4847,START:Starts:2472525-2473332-
ID=NCLIV_022090 + 4 A..ATG
2498550,2498592,43,END:Starts:2496636-2493271-2497648-
2499213,2499419,207,EXACT,AG-GT
2499852,2500033,182,EXACT,AG-GT
2500246,2500320,75,START:Ends:2500693-2500787-2500733-
ID=NCLIV_022100 + 4 GCTATGT
2503305,2503564,260,END:Starts:2502015-2502004-2502026-
2503875,2503948,74,EXACT,AG-GT
2504499,2504559,61,START: end 404 AG
2504891,2504912,22,OVER:Ends:2505205-2504959-2504963-
ID=NCLIV_022140 + 11 A..ATG
2529176,2529238,63,END:Starts:2528592-2528080-2528487-
2529658,2529739,82,EXACT,AG-GT
2529894,2529973,80,EXACT,AG-GT
2530312,2530380,69,EXACT,ATG:AG-GT
2530586,2530722,137,EXACT,AG-GT
2531806,2531879,74,EXACT,AG-GT
2532330,2532542,213,START: end -60 AG-GT (ref:AG-GT)<< Possible error
2532837,2532985,149,EXACT,AG-GT
2533254,2533407,154,EXACT,AG-GT
2534002,2534465,464,EXACT,AG-GT
2534946,2535155,210,START:Ends:2535171-2536912-2536971-
ID=NCLIV_022160 + 7 G..ATGG
2544217,2544444,228,END:Starts:2543184-2543181-
2544833,2544894,62,EXACT,ATG:AG-GT
2545361,2545544,184,START: end -89 AG
2546002,2546072,71,END: start 9 GT (ref:AG-GT)<< Possible error
2546899,2546959,61,EXACT,AG-GT
2547371,2547529,159,EXACT,AG-GT
2548305,2548424,120,START:Ends:2550079-2550606-
ID=NCLIV_022180 + 1 A..ATG
2560190,2564509,4320
ID=NCLIV_022210 + 5 A..ATG
2587398,2587432,35,END:EXACT
2587714,2587857,144,EXACT,AG-GT
2588246,2588520,275,EXACT,AG-GT
2588686,2588787,102,EXACT,AG-GT

2589199,2589416,218,START:Ends:2590372-2590412-2589225-
ID=NCLIV_022230 + 4 [CT]..ATG[ACT]
2604283,2604433,151
2605514,2605615,102,EXACT,AG-GT
2606411,2606562,152,START: end -3 AG
2606701,2606769,69
ID=NCLIV_022260 + 13 GAGATGC
2629693,2629816,124,END:EXACT
2630641,2630859,219,EXACT,AG-GT
2631421,2632062,642,EXACT,AG-GT
2632531,2632636,106,EXACT,AG-GT
2632927,2633055,129,EXACT,AG-GT
2633285,2633336,52,EXACT,AG-GT
2634054,2634107,54,EXACT,AG-GT
2634809,2634910,102,EXACT,AG-GT
2635112,2635274,163,EXACT,AG-GT
2635721,2635891,171,EXACT,AG-GT
2636430,2636664,235,EXACT,AG-GT
2637036,2637144,109,EXACT,AG-GT
2637368,2637418,51,START:Ends:2642224-2638903-
ID=NCLIV_022270 + 1 A..ATG
2639300,2641375,2076,OVER:Starts:2638957-2637036-
ID=NCLIV_022280 + 1 A..ATG
2644192,2644803,612
ID=NCLIV_022290 + 16 [CT]..ATG[ACT]
2650290,2650305,16
2650638,2650747,110
2651310,2651442,133
2652422,2652541,120,END: start -4 GT
2653760,2653919,160,END: start 95 AG-GT
2654949,2655117,169,EXACT,AG-GT
2655807,2656111,305,EXACT,AG-GT
2656599,2656693,95,EXACT,AG-GT
2656940,2657234,295,EXACT,AG-GT
2657929,2658070,142,EXACT,AG-GT
2658350,2658517,168,EXACT,AG-GT
2658852,2659044,193,EXACT,AG-GT
2659597,2659757,161,EXACT,AG-GT
2660050,2660290,241,EXACT,AG-GT
2660776,2660857,82,EXACT,AG-GT
2661634,2661748,115,START:Ends:2662160-2662723-
ID=NCLIV_022300 + 7 [CT]..ATG[ACT]
2666481,2666580,100
2667123,2672524,5402
2673028,2673439,412,END: start 14 GT
2673930,2674144,215,EXACT,AG-GT
2674892,2674937,46,EXACT,AG-GT
2675399,2675512,114,EXACT,AG-GT
2675920,2676266,347,START:Ends:2677811-2677766-
ID=NCLIV_022340 + 8 G..ATGG
2700791,2702131,1341,END:Starts:2699292-2699488-2700402-
2702690,2702810,121,EXACT,TAG|TGA|TAA:AG-GT
2703438,2703545,108,EXACT,AG-GT
2704013,2704306,294,EXACT,AG-GT
2704833,2705011,179,EXACT,AG-GT
2705202,2705313,112,EXACT,AG-GT
2705660,2705932,273,END: start 42 AG-GT (ref:AG-GT)<< Possible error
2706474,2706559,86,START:Ends:2708480-2708551-2708570-
ID=NCLIV_022350 + 6 GAAATGC
2711303,2711498,196,END:Starts:2710820-2710702-

2712068,2712580,513,EXACT,AG-GT
 2712764,2712909,146,START: end 3 AG
 2713510,2713569,60,END: start -180 GT
 2713776,2714295,520,EXACT,AG-GT
 2714505,2715094,590,START:Ends:2715340-2714568-2715494-
 ID=NCLIV_022360 + 18 A..ATG
 2718160,2718591,432
 2719752,2719875,124
 2720430,2720521,92
 2720880,2721070,191
 2721555,2721729,175
 2722498,2722596,99
 2722947,2723066,120
 2723610,2723740,131
 2724496,2724748,253
 2725089,2725226,138
 2725842,2726015,174
 2726749,2726866,118
 2727394,2727647,254
 2728249,2728372,124
 2728957,2729207,251
 2730132,2730304,173
 2730884,2731004,121
 2731389,2731499,111
 ID=NCLIV_022380 + 2 A..ATG
 2754145,2754275,131,END:EXACT
 2754730,2761252,6523,WITHIN:Ends:2761842-2758208-
 ID=NCLIV_022410 + 1 GCGATGA
 2788536,2790761,2226,OVER:Ends:2793381-2792605-
 ID=NCLIV_022450 + 3 G..ATGG
 2820500,2820999,500,END:EXACT
 2821435,2821744,310,EXACT,AG-GT
 2822240,2822812,573,START:Ends:2823671-2823650-
 ID=NCLIV_0224+ 4 CTCATGG
 2826291,2826414,124,END:Starts:2825159-2825142-2825316-
 2826920,2826942,23,EXACT,AG-GT
 2827946,2828189,244,START: end -120 AG-GC (ref:AG-GT)<< Possible error
 2828477,2830473,1997,START:Ends:2830554-2831299-2830987-
 ID=NCLIV_022490 + 4 [CT]..ATG[ACT]
 2848119,2848209,91,END:Starts:2847378-2847374-2847405-
 2848643,2848757,115,EXACT,AG-GT
 2849024,2849332,309,EXACT,AG-GT
 2849921,2850185,265,START:Ends:2852410-2851287-2852373-
 ID=NCLIV_022510 + 2 A..ATG
 2859133,2859483,351,END:Starts:2857806-2857744-2857656-
 2860106,2860702,597,START:Ends:2860880-2861026-2861000-
 ID=NCLIV_022520 + 4 A..ATG
 2863245,2863943,699,END:Starts:2862004-2861978-2862901-
 2864402,2864595,194,EXACT,AG-GT
 2865257,2865485,229,END: start -105 AG-GT (ref:AG-GT)<< Possible error
 2865968,2870884,4917,START:Ends:2872103-2872227-2872268-
 ID=NCLIV_022530 + 6 [CT]..ATG[ACT]
 2876573,2877287,715
 2877910,2878081,172
 2879443,2879631,189
 2879966,2880300,335
 2880704,2880881,178
 2881343,2881469,127
 ID=NCLIV_022550 + 9 A..ATG
 2888718,2888735,18,END:Starts:2888484-2888327-

2889893,2890046,154,EXACT,Info:AG-GC-AG-GT-
2890292,2890497,206,EXACT,AG-GT
2890705,2890860,156,EXACT,AG-GT
2891073,2891149,77,EXACT,TAG|TGA|TAA:AG-GT
2891570,2891807,238,EXACT,AG-GT
2892157,2892439,283,EXACT,AG-GT
2892980,2893145,166,EXACT,AG-GT
2893720,2893792,73,START:Ends:2894577-2894491-2894686-
ID=NCLIV_022560 + 9 A..ATG
2901981,2901989,9
2902443,2902676,234,EXACT,ATG:AG-GT
2903414,2903661,248,EXACT,AG-GT
2903970,2904105,136,START: end -7 AG
2904789,2905055,267,END: start -2 GT (ref:AG-GT)<< Possible error
2905798,2906026,229,EXACT,AG-GT
2906480,2906841,362,EXACT,AG-GT
2907408,2907485,78,EXACT,AG-GT
2907771,2907827,57,START:Ends:2908618-2908611-2908524-
ID=NCLIV_022570 + 9 G..ATGG
2910925,2911087,163,END:Starts:2910095-2910076-
2911831,2911920,90,EXACT,AG
2912446,2912492,47
2912995,2913163,169,EXACT,GT
2913625,2913686,62,EXACT,AG-GT
2914473,2914919,447,EXACT,AG-GT
2915545,2915809,265,START: end -1 AG
2916221,2916275,55,EXACT,AG-GT
2916583,2916676,94,START:Ends:2917212-2917464-2917278-
ID=NCLIV_022580 + 10 GGCATGT
2919789,2920079,291
2920973,2921602,630,EXACT,GT
2922132,2922183,52,EXACT,AG-GT
2922711,2922780,70,EXACT,AG-GT
2923126,2923165,40,EXACT,AG-GT
2923510,2923574,65,EXACT,AG-GT
2924024,2924084,61,EXACT,AG-GT
2924555,2924633,79,EXACT,AG-GT
2925667,2925733,67,EXACT,AG-GT
2926204,2926264,61
ID=NCLIV_022590 + 7 A..ATG
2928667,2928760,94,END:Starts:2927535-2927564-2927574-
2929343,2929576,234,START: end 114 AG
2929896,2929948,53
2930636,2930737,102
2931184,2931413,230
2932084,2932310,227,EXACT,GT
2932773,2933179,407,START:Ends:2933342-2933356-2933284-
ID=NCLIV_022600 + 3 A..ATG
2946758,2947246,489,END:Starts:2946059-2946042-2946264-
2947734,2948726,993,EXACT,AG-GT
2949113,2949391,279,START:Ends:2949748-2949818-2949862-
ID=NCLIV_022610 + 7 CTGATGG
2951356,2951509,154,END:Starts:2951319-2950989-2951011-
2952032,2952200,169,EXACT,AG-GT
2952383,2952443,61,EXACT,AG-GT
2953143,2953247,105,EXACT,AG-GT
2953899,2953942,44,EXACT,AG-GT
2954384,2954489,106,START: end -2 AG
2955095,2955169,75,OVER:Ends:2955624-2955552-
ID=NCLIV_022640 + 8 A..ATG

2996133,2998079,1947
2998578,2998657,80
2999110,2999159,50
2999362,2999427,66
2999939,3000053,115
3000625,3000780,156,END: start -3 GT
3001218,3001550,333,EXACT,GT
3002007,3002397,391,START:Ends:3002897-3003556-
ID=NCLIV_022660 + 9 [CT]..ATG[ACT]
3014144,3014414,271,END:Starts:3012755-3013507-
3015197,3016875,1679,EXACT,AG-GT
3017290,3017429,140,START: end -6 AG
3017837,3018244,408
3018693,3018772,80,END: start -86 GT
3019131,3019231,101,EXACT,AG-GT
3019560,3019848,289,EXACT,AG-GT
3020422,3020472,51,EXACT,AG-GT
3021438,3022126,689,START:EXACT
ID=NCLIV_022710 + 10 [CT]..ATG[ACT]
3060519,3061926,1408,END:Starts:3060112-3060444-
3062670,3062974,305,START: end -12 AG
3063790,3063942,153
3064578,3065028,451,END: start -1 GT
3065479,3065774,296,EXACT,AG-GT
3066264,3066731,468,EXACT,AG-GT
3067200,3067287,88,EXACT,AG-GT
3068013,3068394,382,START: end -9 AG
3068966,3069068,103,END: start -162 GT (ref:AG-GT)<< Possible error
3069685,3069915,231,START:Ends:3070384-3070594-3070398-
ID=NCLIV_022730 + 11 A..ATG
3078805,3078825,21
3079141,3079288,148
3080113,3080270,158
3080626,3080740,115
3081235,3081388,154
3081961,3082670,710,EXACT,GT
3083025,3083523,499,EXACT,AG
3084200,3084238,39
3084849,3084957,109
3085616,3085741,126,EXACT,GT
3086151,3086336,186,START:Ends:3087294-3087332-
ID=NCLIV_022790 + 9 GGCATGA
3125050,3125541,492,END:Starts:3123431-3122961-
3126062,3126163,102
3126808,3126930,123
3127582,3127813,232
3128509,3128813,305
3129301,3129324,24
3130121,3130308,188,EXACT,AG-GT
3131061,3131460,400,EXACT,AG-GT
3131931,3132002,72,START:Ends:3132147-3132746-3132732-
ID=NCLIV_022820 + 9 G..ATGG
3171238,3172219,982,END:Starts:3170221-3170239-3172058-
3172803,3173195,393,EXACT,AG-GT
3173487,3173597,111,END: start -66 AG
3173979,3174182,204
3174934,3175368,435,END: start 30 GT
3175831,3176073,243,EXACT,AG-GT
3176401,3176626,226,EXACT,AG-GT
3176939,3177101,163,EXACT,AG-GT

3177792,3177998,207,START:Ends:3178514-3178380-3179933-
ID=NCLIV_022840 + 10 A..ATG
3201263,3201441,179
3202050,3202107,58
3202498,3202644,147
3202855,3203376,522
3203921,3204022,102
3204892,3205179,288
3205657,3206107,451
3206295,3206532,238
3206773,3206845,73
3207160,3207234,75
ID=NCLIV_022850 + 1 A..ATG
3210537,3213023,2487
ID=NCLIV_022870 + 3 GAAATGC
3224885,3225135,251
3225759,3225912,154
3226085,3226189,105
ID=NCLIV_022880 + 3 A..ATG
3229126,3229340,215,END:Ends:3229344-3229340-
3229852,3229975,124,EXACT,AG-GT
3230413,3230457,45,START:Ends:3231159-3231116-3231115-
ID=NCLIV_022890 + 9 TGTATGG
3233594,3235038,1445,END:Starts:3232751-3232831-
3235382,3235772,391,EXACT,AG-GT
3236342,3236422,81,EXACT,AG-GT
3236768,3237079,312,START: end -298 AG
3237703,3237780,78
3238154,3238201,48
3238757,3238831,75,EXACT,AG-GT
3239355,3239415,61,EXACT,AG-GT
3239867,3240192,326,START:Ends:3240484-3240429-3242431-
ID=NCLIV_022920 + 9 CCTATGG
3248482,3248845,364,OVER:Starts:3247497-3247545-3248030-
3249301,3249673,373,END: start 150 AG-GT (ref:AG-GT)<< Possible error
3250294,3250450,157,EXACT,AG-GT
3250835,3250982,148,EXACT,AG-GT
3251444,3251545,102,EXACT,AG-GT
3252031,3252191,161,EXACT,AG-GT
3252667,3252769,103,EXACT,ATG:AG-GT
3253085,3253188,104,EXACT,AG-GT
3253623,3253856,234,START:Ends:3254836-3254737-
ID=NCLIV_022930 + 3 CCAATGG
3255891,3256050,160,OVER:Starts:3255784-3255786-3255876-
3256822,3257063,242,END: start -1036 GT (ref:AG-GT)<< Possible error
3257722,3257856,135,START:Ends:3258412-3258332-3263492-
ID=NCLIV_022940 + 5 CAAATGG
3259873,3259930,58
3260378,3260629,252
3261495,3268443,6949
3268753,3268846,94
3269033,3269965,933
ID=NCLIV_022950 + 3 A..ATG
3272991,3273578,588,END:Starts:3267092-3272365-3271341-
3274137,3274220,84,EXACT,AG-GT
3274687,3274848,162,START:Starts:3273769-3274687-
ID=NCLIV_022980 + 15 GCGATGC
3292981,3293204,224,END:Starts:3290982-3290986-3290991-
3293497,3293703,207,EXACT,AG-GT
3294102,3294240,139,EXACT,AG-GT

3294797,3294985,189,START: end -6 AG
 3295368,3295632,265,END: start -29 GT (ref:AG-GT)<< Possible error
 3295890,3296032,143,EXACT,AG-GT
 3296298,3296483,186,EXACT,AG-GT
 3297155,3297239,85,START: end -48 AG
 3297610,3297679,70,OVER: start -43 and end 30 GC (ref:AG-GT)<< Possible error
 3298060,3298558,499,EXACT,AG-GT
 3299023,3299234,212,EXACT,AG-GT
 3299879,3299948,70,EXACT,AG-GT
 3300333,3300499,167,EXACT,AG-GT
 3300830,3301006,177,EXACT,AG-GT
 3301573,3301597,25,START:Ends:3301587-3302095-
 ID=NCLIV_022990 + 4 A..ATG
 3304352,3304458,107,END:Starts:3303376-3303745-3303889-
 3304878,3305108,231,EXACT,AG-GT
 3305568,3305668,101,EXACT,AG-GT
 3305838,3306298,461,START:EXACT
 ID=NCLIV_023000 + 1 A..ATG
 3309711,3310148,438,OVER:Starts:3311017-3308647-
 ID=NCLIV_023010 + 1 A..ATG
 3312934,3314262,1329
 ID=NCLIV_023030 + 6 G..ATGG
 3320092,3320365,274,END:Starts:3318236-3319768-3319833-
 3320957,3321129,173,EXACT,AG-GT
 3321465,3321853,389,EXACT,AG-GT
 3322423,3322717,295,EXACT,AG-GT
 3323549,3323888,340,EXACT,AG-GT
 3324323,3324534,212,START:EXACT
 ID=NCLIV_0230+ 12 A..ATG
 3340427,3340545,119,END:Starts:3339309-3339270-3339398-
 3341401,3341543,143,EXACT,AG-GT
 3341906,3342716,811,EXACT,AG-GT
 3343104,3343328,225,EXACT,AG-GT
 3343804,3344214,411,EXACT,AG-GT
 3344696,3344919,224,EXACT,AG-GT
 3345201,3345445,245,EXACT,AG-GT
 3345960,3346125,166,EXACT,AG-GT
 3346420,3346676,257,EXACT,AG-GT
 3346958,3347062,105,EXACT,AG-GT
 3347485,3347948,464,EXACT,AG-GT
 3348113,3348122,10,START:Ends:3350011-3351274-3350181-
 ID=NCLIV_023060 + 1 G..ATGG
 3350577,3353378,2802
 ID=NCLIV_023090 + 9 GCAATGA
 3373309,3373389,81,OVER:Starts:3372868-3372863-
 3374199,3374210,12,END: start -1336 GT
 3374593,3374724,132,EXACT,AG-GT
 3375135,3375255,121,EXACT,TAG|TGA|TAA:AG-GT
 3376228,3376422,195,EXACT,AG-GT
 3376575,3376750,176,EXACT,AG-GT
 3377294,3377393,100,EXACT,AG-GT
 3377637,3377861,225,EXACT,AG-GT
 3378029,3378117,89,START:Ends:3378513-3378531-3378520-
 ID=NCLIV_023120 + 9 [CT]..ATG[ACT]
 3391261,3391486,226,END:Starts:3388715-3389165-3391117-
 3392075,3392319,245,EXACT,AG-GT
 3392513,3392806,294,EXACT,AG-GT
 3393271,3393340,70,EXACT,AG-GT
 3394004,3394080,77,EXACT,AG-GT
 3394341,3394767,427,START: end -321 AG

3395342,3395446,105,END: start -5 GT (ref:AG-GT)<< Possible error
3395626,3395687,62,EXACT,AG-GT
3396284,3396376,93,START:Ends:3397067-3397065-3400377-
ID=NCLIV_023150 + 6 [CT]..ATG[ACT]
3418650,3418985,336
3419564,3419716,153
3420152,3420399,248
3420667,3420896,230
3421049,3421156,108
3421488,3425518,4031
ID=NCLIV_023170 + 7 TCGATGG
3432661,3433800,1140,OVER:Ends:3433800-3434030-
3434226,3434432,207,END: start 22 GT
3435038,3435193,156,EXACT,AG-GT
3435715,3435804,90,START: end -2 AG
3436057,3436377,321,END: start 10 GT
3436809,3437425,617,START: end -15 AG
3437661,3437709,49
ID=NCLIV_023210 + 4 A..ATG
3456878,3457416,539,END:Starts:3456317-3456323-3456353-
3457948,3458293,346,EXACT,AG-GT
3458961,3459755,795,START: end 2701 AG
3460036,3460341,306,OVER:Ends:3459014-3462950-3462456-
ID=NCLIV_023240 + 14 A..ATG
3473243,3473494,252,END:Starts:3473075-3472904-
3474038,3474284,247,EXACT,AG-GT
3474677,3475851,1175,EXACT,AG-GT
3476158,3477615,1458,EXACT,AG-GT
3477957,3478279,323,EXACT,GT
3478582,3478781,200,EXACT,AG-GT
3479205,3479345,141,EXACT,AG-GT
3479462,3480028,567,EXACT,AG-GT
3480440,3480750,311,START: end 281 AG-GT
3481107,3481176,70
3481546,3481767,222,END: start -421 AG-GT
3481862,3482003,142,START: end 461 AG-GT (ref:AG-GT)<< Possible error
3482252,3482464,213,END: start -4 GT (ref:AG-GT)<< Possible error
3483051,3483390,340,START:Ends:3484552-3484292-3484356-
ID=NCLIV_023250 + 10 GAGATGA
3486993,3487734,742,END:Starts:3486553-3486474-
3488213,3488545,333,OVER: start -3 and end 1249 AG-GT
3489016,3489794,779,OVER: start -468 and end 461 GT
3490127,3490255,129,EXACT,AG
3490834,3490986,153,EXACT,AG-GT
3491133,3491219,87,EXACT,AG-GT
3491524,3491641,118,EXACT,AG-GT
3491891,3492073,183,EXACT,ATG:AG-GT
3492682,3492821,140,EXACT,AG-GT
3493299,3493727,429,START:Ends:3495069-3496010-3496095-
ID=NCLIV_023260 + 3 A..ATG
3498911,3499977,1067,END:Starts:3497073-3497247-3496988-
3500411,3500520,110,EXACT,AG-GT
3501153,3502168,1016,START:Ends:3502796-3502808-3502928-
ID=NCLIV_023270 + 5 [CT]..ATG[ACT]
3507050,3507175,126,OVER:Starts:3508355-3505620-3506197-
3507543,3509115,1573,END: start -1346 GT (ref:AG-GT)<< Possible error
3509418,3510263,846,EXACT,TAG|TGA|TAA:AG-GT
3510646,3510839,194,EXACT,AG-GT
3511427,3514792,3366,START:Ends:3514945-3512079-3515000-
ID=NCLIV_023350 + 2 CAGATGG

3538021,3541008,2988
3541661,3542113,453
ID=NCLIV_023360 + 21 A..ATG
3545888,3548716,2829
3549178,3549419,242
3549967,3550133,167
3550614,3550845,232
3551359,3552013,655
3552429,3553358,930
3553875,3554852,978
3555211,3555963,753
3556237,3556990,754
3557385,3557876,492
3558276,3558465,190
3558877,3559087,211
3559402,3559590,189
3559923,3560082,160
3560451,3560587,137
3561229,3561401,173
3562028,3562296,269
3562875,3563203,329,END: start -191 GT
3563624,3563791,168,EXACT,AG
3564002,3564607,606,EXACT,AG-GT
3564832,3564876,45,START:Ends:3565241-3565340-3565579-
ID=NCLIV_023390 + 9 [CT]..ATG[ACT]
3590761,3593283,2523,END:Starts:3588610-3588274-3588356-
3593706,3595935,2230,EXACT,AG-GT
3596416,3597138,723,EXACT,AG-GT
3597439,3602094,4656,EXACT,ATG:AG-GT
3602442,3603103,662,EXACT,AG-GT
3603489,3603608,120
3604446,3604552,107,EXACT,AG-GT
3604825,3604996,172,EXACT,AG-GT
3605504,3605587,84,START:Ends:3607767-3606990-3606981-
ID=NCLIV_023400 + 9 [CT]..ATG[ACT]
3609091,3609442,352
3609691,3609846,156,END: start -18 GT
3610275,3610372,98,EXACT,AG-GT
3610866,3611077,212,EXACT,AG-GT
3611693,3611842,150,EXACT,AG-GT
3611997,3612132,136,EXACT,AG-GT
3612594,3612702,109,EXACT,AG-GT
3613000,3613177,178,EXACT,AG-GT
3613542,3613596,55,START:Ends:3614301-3614342-
ID=NCLIV_023420 + 1 A..ATG
3620596,3621816,1221
ID=NCLIV_0234+ 7 A..ATG
3627397,3627510,114,END:Starts:3626725-3626742-
3627951,3628049,99,START: end 2 AG
3628873,3628927,55
3629359,3629513,155,EXACT,GT
3630211,3630324,114,EXACT,AG-GT
3630762,3630816,55,EXACT,AG-GT
3631309,3631556,248,START:Ends:3631927-3632000-
ID=NCLIV_023460 + 1 A..ATG
3638745,3638834,90
ID=NCLIV_023470 + 6 A..ATG
3639879,3639976,98
3640541,3640594,54
3641307,3641394,88

3642955,3643321,367
 3643719,3643842,124,END: start -197 GT
 3643978,3644140,163,START:Ends:3644442-3644293-
 ID=NCLIV_023490 + 10 G..ATGG
 3656920,3657353,434,END:Starts:3656230-3656269-
 3658024,3658256,233,EXACT,AG-GT
 3658685,3658801,117,EXACT,AG-GT
 3659290,3659398,109,START: end 3 AG
 3659937,3660020,84,END: start 8 GT (ref:AG-GT)<< Possible error
 3660506,3660630,125,EXACT,AG-GT
 3661255,3661367,113,EXACT,AG-GT
 3661831,3662137,307,EXACT,AG-GT
 3663177,3663298,122,EXACT,AG-GT
 3663740,3663835,96,START:Ends:3664202-3664200-3664201-
 ID=NCLIV_023520 + 7 A..ATG
 3684903,3686048,1146
 3686380,3686652,273
 3687207,3687438,232
 3687823,3687941,119
 3688378,3688473,96
 3688814,3688918,105
 3689456,3689575,120
 ID=NCLIV_023530 + 2 A..ATG
 3693545,3693619,75,END:EXACT
 3693756,3693995,240,START:Ends:3694061-3694135-3694158-
 ID=NCLIV_023550 + 8 G..ATGG
 3707966,3708048,83
 3708866,3708911,46,EXACT,AG-GT
 3709326,3709401,76,EXACT,AG-GT
 3709888,3710001,114,EXACT,TAG|TGA|TAA:AG-GT
 3710319,3710426,108,EXACT,AG-GT
 3711091,3711235,145,EXACT,AG-GT
 3711645,3711753,109,EXACT,AG-GT
 3712707,3712826,120,START:Ends:3714244-3714245-3713778-
 ID=NCLIV_023560 + 10 GTGATGC
 3715555,3715741,187,END:Starts:3714766-3715513-
 3715899,3715970,72,EXACT,AG-GT
 3716375,3716558,184,END: start -24 AG-GT
 3716992,3717496,505,END: start -149 GT
 3717965,3718288,324,EXACT,AG-GT
 3718399,3718689,291,EXACT,AG-GT
 3719189,3719888,700,EXACT,AG-GT
 3720135,3720199,65,EXACT,AG-GT
 3720675,3720798,124,EXACT,AG-GT
 3721258,3721391,134,START:Ends:3722048-3721916-3723103-
 ID=NCLIV_023580 + 1 GAAATGA
 3729060,3732689,3630
 ID=NCLIV_023600 + 1 GCGATGA
 3746062,3746682,621
 ID=NCLIV_023620 + 2 A..ATG
 3754100,3754628,529
 3755242,3755690,449
 ID=NCLIV_023650 + 2 A..ATG
 3775027,3775732,706,END:Starts:3774852-3773773-
 3775910,3776319,410,START:Ends:3776887-3776746-
 ID=NCLIV_023670 + 2 A..ATG
 3786304,3787377,1074,END:Starts:3785739-3785834-3787264-
 3787879,3788157,279,START:EXACT
 ID=NCLIV_023690 + 12 A..ATG
 3807178,3807241,64

3808121,3808281,161
 3808652,3808751,100
 3809418,3809503,86
 3809851,3810024,174
 3810340,3810411,72
 3810563,3810672,110
 3811177,3811232,56
 3811721,3811902,182
 3812707,3812907,201
 3813304,3813405,102
 3814091,3816664,2574
 ID=NCLIV_023700 + 8 CACATGG
 3819713,3821935,2223
 3822385,3822523,139,EXACT,GT
 3822936,3823431,496,EXACT,AG-GT
 3824008,3824205,198,EXACT,AG-GT
 3824728,3825053,326,START: end 797 AG-GT
 3825549,3825850,302,END: start -821 AG-GT
 3826306,3826557,252,EXACT,AG-GT
 3827019,3827117,99,OVER:EXACT
 ID=NCLIV_023730 + 8 A..ATG
 3843913,3844767,855,END:Starts:3843190-3843202-
 3845240,3845275,36,START: end 47 AG-GT
 3845999,3846063,65,START: end -24 AG
 3846271,3846392,122,END: start -5 GT
 3846815,3846876,62,START: end -2 AG
 3847060,3847208,149,END: start 13 GT (ref:AG-GT)<< Possible error
 3847626,3847739,114,EXACT,AG-GT
 3848048,3850061,2014,START:Ends:3851853-3852324-3851544-
 ID=NCLIV_023750 + 3 GCCATGT
 3863887,3865738,1852
 3866145,3867564,1420
 3868128,3868767,640
 ID=NCLIV_023760 + 1 A..ATG
 3871924,3873846,1923,OVER:Ends:3875301-3877281-
 ID=NCLIV_023770 + 12 [CT]..ATG[ACT]
 3876547,3877281,735,END:Ends:3875301-3877281-
 3877841,3878258,418,END: start 25 GT (ref:AG-GT)<< Possible error
 3878665,3878761,97,EXACT,AG-GT
 3879333,3879413,81,EXACT,GT
 3880032,3880161,130,EXACT,AG-GT
 3880482,3880583,102,EXACT,AG-GT
 3881054,3881195,142,START: end 787 AG
 3881846,3881946,101,OVER: start -792 and end 36 AG
 3882467,3882541,75
 3883128,3883303,176
 3883724,3883813,90
 3884208,3884334,127
 ID=NCLIV_0238+ 4 A..ATG
 3902451,3903127,677,END:Starts:3900187-3901657-3901683-
 3903578,3903678,101,EXACT,AG-GT
 3903825,3903979,155,END: start 69 AG-GT (ref:AG-GT)<< Possible error
 3904331,3904438,108,START:EXACT
 ID=NCLIV_023810 + 17 A..ATG
 3909024,3909191,168
 3909771,3909900,130
 3910078,3910169,92
 3910406,3910596,191
 3910853,3911075,223
 3911221,3911319,99

3911441,3911560,120
 3911743,3911873,131
 3912283,3912532,250
 3912817,3912969,153
 3913357,3913554,198
 3913877,3913994,118
 3914206,3914459,254
 3914837,3915220,384
 3915508,3915680,173
 3915889,3916009,121
 3916273,3916380,108
 ID=NCLIV_023830 + 5 GAGATGC
 3927453,3927963,511,END:Starts:3926528-3926518-3927690-
 3928318,3929650,1333,EXACT,AG-GT
 3930140,3930309,170,START: end 213 AG-GT (ref:AG-GT)<< Possible error
 3930747,3930962,216,EXACT,AG-GT
 3931178,3932037,860,START:Ends:3933186-3933182-3933185-
 ID=NCLIV_023840 + 7 G..ATGG
 3934747,3935027,281
 3935475,3935652,178
 3935938,3936545,608
 3937026,3937105,80
 3937424,3937663,240
 3938093,3938231,139
 3938713,3939091,379

CHROMOSOME VIIa – REVERSE

ID=NCLIV_019380 - 1 [CT]..ATG[ACT]
 35768,36136,369
 ID=NCLIV_019390 - 17 A..ATG
 49286,49438,153,END:Starts:47891-47908-47995-
 49629,49775,147,EXACT,AG-GT
 50153,50404,252,EXACT,AG-GT
 50664,50913,250,EXACT,AG-GT
 51223,51392,170,EXACT,TAGITGAI TAA:AG-GT
 51599,51736,138,EXACT,AG-GT
 52046,52220,175,END: start 17 AG-GT (ref:AC-GT)<< Possible error
 52627,52778,152,EXACT,AG-GT
 53378,53550,173,EXACT,AG-GT
 54060,56593,2534,EXACT,AG-GT
 57186,57583,398,EXACT,AG-GT
 57947,59273,1327,EXACT,GT
 59789,60187,399,END: start 2 AG (ref:AC-GT)<< Possible error
 60397,60723,327,EXACT,AG-GT
 60944,61341,398,EXACT,AG-GT
 61885,62080,196,EXACT,AG-GT
 62622,64354,1733,START:EXACT
 ID=NCLIV_019400 - 3 A..ATG
 67718,67827,110,OVER:Starts:67685-67650-
 68092,68813,722,END: start -442 AG
 69439,73154,3716,START:Ends:70399-71080-
 ID=NCLIV_019430 - 3 GACATGT
 97268,97369,102,END:Starts:95684-95815-94484-
 97731,97847,117,START: end 1105 GT
 98285,98746,462,OVER:Ends:100453-98180-98952-
 ID=NCLIV_019450 - 4 A..ATG
 110664,110821,158,END:Starts:110029-110018-110006-
 111290,111413,124,EXACT,AG-GT
 111799,111959,161,EXACT,AG-GT

112411,112639,229,START:Ends:113306-113274-113304-
 ID=NCLIV_019480 - 7 A..ATG
 131943,132003,61,END:Starts:130776-131545-131465-
 132464,132531,68,EXACT,AG-GT
 132787,132856,70,START: end -20 GT
 133139,133202,64,END: start -3 AG (ref:AC-GT)<< Possible error
 133488,133695,208,EXACT,AG-GT
 134235,134401,167,EXACT,AG-GT
 134995,135160,166,START:Ends:135728-135688-135733-
 ID=NCLIV_019490 - 8 A..ATG
 137897,138334,438,END:Starts:137174-136990-137024-
 138901,139543,643,EXACT,AG-GT
 139865,140031,167,EXACT,AG-GT
 140754,141173,420,EXACT,AG-GT
 141432,141827,396,START: end -1 GT
 142238,143076,839,END: start 1 AG (ref:AC-GT)<< Possible error
 143559,143688,130,EXACT,AG-GT
 143788,144528,741,START:EXACT
 ID=NCLIV_019520 - 12 A..ATG
 163620,163854,235,END:Starts:162191-162167-162150-
 164039,164241,203,EXACT,AG-GT
 164637,164783,147,END: start 8 AG (ref:AC-GT)<< Possible error
 165163,173012,7850,EXACT,AG-GT
 173316,181086,7771,START: end -3471 GT
 181509,182850,1342,START: end -416 GT
 183338,196647,13310
 197295,203253,5959
 203824,205805,1982
 206432,206518,87
 206881,211197,4317
 211658,217138,5481
 ID=NCLIV_019530 - 4 [CT]..ATG[ACT]
 219747,219898,152,END:Starts:219380-219284-219273-
 220580,220665,86,EXACT,AG-GT
 221051,221332,282,EXACT,AG-GT
 221741,222066,326,START:Ends:223109-223033-223034-
 ID=NCLIV_019550 - 2 A..ATG
 239319,239688,370,END:EXACT
 240135,243154,3020,START:Ends:243649-241618-243698-
 ID=NCLIV_019570 - 1 A..ATG
 257605,258147,543
 ID=NCLIV_019580 - 1 G..ATGG
 260722,261243,522
 ID=NCLIV_019590 - 12 A..ATG
 263677,264311,635,END:Starts:262925-263148-262896-
 264578,264675,98,EXACT,AG-GT
 265227,265570,344,EXACT,ATG:AG-GT
 266020,266152,133,EXACT,AG-GT
 266298,267196,899,START: end 161 AG-GT
 267767,267939,173,EXACT,GT
 268314,268367,54,EXACT,AG
 268486,268574,89,EXACT,AG-GT
 269038,269423,386,EXACT,AG-GT
 270105,270789,685,EXACT,GT
 271219,271399,181,EXACT,AG
 272007,272196,190,START:Ends:273272-273333-
 ID=NCLIV_019610 - 13 [CT]..ATG[ACT]
 278372,278959,588,END:Starts:275910-276727-276771-
 279319,279686,368,START: end 697 AG-GT
 279879,280119,241,OVER: start -560 and end 264 AG-GT

280512,280971,460,END: start -633 AG-GT
 281468,281785,318,EXACT,AG-GT
 282213,282340,128,EXACT,AG-GT
 282809,283174,366,START: end 506 AG-GT (ref:AC-GT)<< Possible error
 283438,283680,243,END: start -629 AG-GT (ref:AC-GT)<< Possible error
 284257,284501,245,EXACT,AG-GT
 285107,287236,2130,EXACT,AG-GT
 287965,290243,2279,START: end 26 GT
 290767,293537,2771
 293910,294110,201
 ID=NCLIV_019640 - 1 A..ATG
 307475,307906,432
 ID=NCLIV_019650 - 1 A..ATG
 309911,313843,3933
 ID=NCLIV_019660 - 25 A..ATG
 317487,317583,97,END:Starts:315434-316511-315386-
 318068,318198,131,EXACT,AG-GT
 318581,318703,123,EXACT,AG-GT
 319238,319326,89,EXACT,AG-GT
 319670,319745,76,EXACT,AG-GT
 319924,320024,101,EXACT,AG-GT
 320371,320502,132,EXACT,AG-GT
 321122,321262,141,EXACT,AG-GT
 321519,321618,100,START: end 336 AG-GT
 321809,321954,146,END: start -290 AG-GT
 322539,322663,125,EXACT,AG-GT
 323241,323445,205,EXACT,AG-GT
 323867,323996,130,EXACT,AG-GT
 324289,324456,168,EXACT,AG-GT
 324675,324795,121,EXACT,AG-GT
 325213,325425,213,EXACT,AG-GT
 326244,326331,88,EXACT,GT
 326767,326935,169
 327192,327317,126
 328112,328257,146,END: start 43 AG
 328818,328881,64,EXACT,ATG:AG-GT
 329211,329378,168,EXACT,AG-GT
 329837,329963,127,EXACT,AG-GT
 330487,330615,129,EXACT,AG-GT
 331272,331465,194,START:Ends:332167-332153-
 ID=NCLIV_019670 - 1 A..ATG
 336926,337840,915,OVER:Starts:336095-336106-337733-
 ID=NCLIV_019680 - 3 G..ATGG
 342687,343850,1164,END:Starts:341262-341252-341033-
 344357,344965,609,EXACT,AG-GT
 345124,346635,1512,START:Ends:347743-345929-348412-
 ID=NCLIV_019700 - 4 A..ATG
 359233,359287,55,OVER:Ends:352036-359448-
 359494,359533,40
 360058,360154,97
 360651,364367,3717
 ID=NCLIV_019720 - 11 TCCATGG
 370842,370948,107
 371400,371460,61
 371807,371893,87
 372393,372512,120
 373328,373565,238
 373977,374155,179
 374653,374790,138
 376086,376316,231

376637,376894,258
377131,377256,126
377637,377795,159
ID=NCLIV_019730 - 21 A..ATG
382481,382599,119,END:EXACT
382913,383054,142,EXACT,AG-GT
383462,384094,633,EXACT,AG-GT
384433,384637,205,START: end 994 AG-GT
385104,385631,528,END: start -671 AG-GT
385749,385927,179,EXACT,AG-GT
386480,386515,36,EXACT,AG-GT
386976,387032,57,EXACT,AG-GT
387214,387306,93,EXACT,AG-GT
387441,387514,74,EXACT,AG-GT
387662,387999,338,START: end 326 GT
388494,388561,68
388898,388967,70
389073,389170,98
389501,389566,66
389796,389873,78
390671,390757,87
390890,390944,55
391054,391090,37
391368,391420,53
392307,392317,11
ID=NCLIV_019800 - 8 A..ATG
462467,463201,735,END:Starts:454729-461274-455752-
463526,463952,427,EXACT,AG-GT
464210,464332,123,EXACT,AG-GT
464514,464659,146,EXACT,AG-GT
464857,464930,74,EXACT,AG-GT
465205,465283,79,EXACT,AG-GT
465457,465606,150,EXACT,AG-GT
465802,466209,408,START:Ends:467656-466591-467558-
ID=NCLIV_019810 - 6 A..ATG
469697,469781,85,END:Ends:468394-469781-
470172,470223,52,EXACT,AG-GT
470591,470659,69,EXACT,GT
471060,471141,82
471757,472227,471
472758,473411,654
ID=NCLIV_019820 - 5 CAAATGG
478123,478243,121,END:Starts:477216-476871-477186-
478927,479153,227,EXACT,AG-GT
479624,479800,177,EXACT,AG-GT
480311,480521,211,START: end 7932 GT
480963,481051,89,OVER:Ends:488453-483523-494401-
ID=NCLIV_019870 - 9 A..ATG
534922,535330,409
535802,535870,69
536306,536452,147
536822,536914,93
537188,537603,416
538163,538592,430
539315,539460,146
539695,540613,919
541083,542125,1043
ID=NCLIV_019880 - 19 GCGATGC
545207,545461,255,END:Starts:544526-544535-544378-
545846,547216,1371,EXACT,AG-GT

547722,548153,432,EXACT,AG-GT
548618,550242,1625,EXACT,GT
551011,552296,1286,END: start 300 AG (ref:AC-GT)<< Possible error
552620,552883,264,EXACT,AG-GT
553395,553609,215,EXACT,AG-GT
554146,554310,165,EXACT,AG-GT
554677,554818,142,EXACT,AG
555392,555467,76,EXACT,AG-GT
555777,556596,820,EXACT,AG-GT
556927,558085,1159,EXACT,AG-GT
558679,558769,91,START: end 242 AG-GT
559253,559337,85
559776,559909,134
560257,560443,187
561135,561317,183
561529,561602,74
562120,562261,142
ID=NCLIV_019900 - 8 G..ATGG
571981,572027,47,END:Starts:570981-571215-570972-
572536,572637,102,START: end 174 GT
574162,574671,510
575361,575578,218
576809,576818,10
576877,576933,57
577787,577867,81
578444,578693,250
ID=NCLIV_019910 - 12 A..ATG
663431,663555,125
663611,663657,47
663719,663779,61
663838,663868,31
663927,664033,107
664095,664163,69
664225,664284,60
664342,664390,49
664454,664510,57
664580,664625,46
664682,664904,223
664962,665130,169
ID=NCLIV_019930 - 17 A..ATG
673291,673419,129,END:Starts:670929-672391-672411-
673944,674051,108,EXACT,AG-GT
674587,674778,192,EXACT,AG-GT
675368,675537,170,EXACT,AG-GT
675711,675807,97,EXACT,ATG:AG-GT
676402,676527,126,EXACT,AG-GT
676908,677026,119,EXACT,GT
677598,677796,199,EXACT,AG
678148,678396,249,EXACT,AG-GT
678847,679170,324,EXACT,AG-GT
679902,680173,272,START: end -33 AG-GT (ref:AC-GT)<< Possible error
680723,681007,285,EXACT,AG-GT
681574,681863,290,START: end 169 GT
682421,682507,87
683107,683219,113
683724,683948,225
684557,685510,954
ID=NCLIV_019950 - 8 A..ATG
691274,691440,167,END:Starts:688967-690795-690895-
691697,691779,83,EXACT,AG-GT

691931,692016,86,EXACT,AG-GT
 692256,692327,72,EXACT,AG-GT
 692520,692654,135,EXACT,AG-GT
 693391,693498,108,EXACT,AG-GT
 693914,694012,99,EXACT,AG-GT
 694385,694735,351,START:Ends:695679-695736-
 ID=NCLIV_019990 - 5 GCCATGC
 709483,709549,67,END:EXACT
 709798,710189,392,EXACT,AG-GT
 710673,710798,126,EXACT,AG-GT
 711087,711409,323,START: end 5713 GT
 711761,712667,907,OVER:Ends:717999-717122-
 ID=NCLIV_020020 - 5 A..ATG
 728205,728772,568
 728957,729264,308,OVER: start -24 and end 12 AG-GT (ref:AC-GT)<< Possible error
 729572,729706,135,EXACT,AG-GT
 730203,730660,458,EXACT,AG-GT
 731035,732454,1420,START:Ends:733444-732899-733425-
 ID=NCLIV_020040 - 13 A..ATG
 746877,747119,243,END:Starts:746362-746352-746322-
 747818,748013,196,START: end -120 AG-GT (ref:AC-GT)<< Possible error
 748075,748166,92,EXACT,AG-GT
 748879,748963,85,START: end 3 GT
 749654,750326,673,END: start 7 AG (ref:AC-GT)<< Possible error
 750966,752552,1587,START: end 1619 GT
 753195,753354,160,OVER: start -2229 and end 817 GT
 754859,754911,53
 756632,756776,145,EXACT,GT
 757169,758611,1443
 759191,763528,4338
 763922,764478,557
 764850,765513,664
 ID=NCLIV_020060 - 10 GCAATGA
 777637,777798,162
 778052,778258,207
 778448,778513,66
 778862,778987,126
 779282,779444,163
 779983,780207,225
 780941,781055,115
 781112,781280,169
 782312,782518,207
 782729,783115,387
 ID=NCLIV_020120 - 3 G..ATGG
 810248,810726,479,END:Starts:809119-809218-
 811070,812359,1290,EXACT,AG-GT
 812755,812944,190,START:Ends:813583-813615-813664-
 ID=NCLIV_020150 - 5 GGGATGC
 847523,847555,33
 848139,848336,198,END: start 4 AG (ref:AC-GT)<< Possible error
 848751,848859,109,EXACT,AG-GT
 849345,849383,39,EXACT,AG-GT
 849961,851789,1829,START:Ends:853116-852645-853125-
 ID=NCLIV_020180 - 7 A..ATG
 867544,867731,188,END:Starts:867213-867169-867203-
 868202,868408,207,EXACT,AG-GT
 868920,869118,199,EXACT,AG-GT
 869665,869844,180,EXACT,AG-GT
 870201,870388,188,START: end 214 GT
 870875,870973,99,END: start 13 AG (ref:AC-GT)<< Possible error

871628,872039,412,START:Ends:873092-873055-873128-
ID=NCLIV_020200 - 6 A..ATG
883072,883349,278,END:Starts:881878-881893-881849-
883811,884012,202,START: end 700 AG-GT (ref:AC-GT)<< Possible error
884570,884712,143,END: start -759 AG-GT (ref:AC-GT)<< Possible error
885006,885085,80,EXACT,AG-GT
885532,885746,215,EXACT,AG-GT
886798,887721,924,START:EXACT
ID=NCLIV_020210 - 2 [CT]..ATG[ACT]
890182,890610,429
890911,890928,18
ID=NCLIV_020230 - 6 G..ATGG
899017,899064,48,END:Starts:898567-898443-898587-
899534,899565,32
899761,899989,229,EXACT,AG-GT
900434,900556,123,EXACT,AG-GC
900995,901099,105,EXACT,AG-GT
901392,901487,96,START:Ends:902150-902157-902170-
ID=NCLIV_020260 - 9 A..ATG
912397,912483,87
912832,912886,55
913180,913229,50
913698,913779,82
914069,914147,79
914422,914490,69
914801,914881,81
916159,916285,127
916738,916812,75
ID=NCLIV_020270 - 8 A..ATG
920148,920335,188
920773,920935,163
921178,921393,216
921606,921808,203
922334,922644,311
923297,923407,111
923595,923694,100
924225,924330,106
ID=NCLIV_020300 - 1 A..ATG
933224,934054,831
ID=NCLIV_020350 - 3 A..ATG
969625,970254,630,END:Starts:967860-967828-967718-
970816,971011,196,EXACT,AG-GT
971259,971389,131,START:Ends:972344-972525-972623-
ID=NCLIV_020370 - 2 A..ATG
979535,979997,463,END:Starts:979153-979178-979210-
980314,980846,533,START:Ends:981311-981207-
ID=NCLIV_020390 - 9 [CT]..ATG[ACT]
989738,989805,68,END:Starts:987988-984842-
990291,990369,79,EXACT,AG-GT
990990,991219,230,EXACT,AG-GT
991738,991969,232,EXACT,AG-GT
992459,992542,84,EXACT,AG-GT
992682,992809,128,EXACT,AG-GT
993266,993842,577,EXACT,AG-GT
994255,994421,167,EXACT,AG-GT
995143,995605,463,START:Ends:996700-996708-
ID=NCLIV_020400 - 4 A..ATG
999255,999500,246,END:Starts:998189-998199-998191-
999987,1000155,169,EXACT,AG-GT
1000537,1000732,196,EXACT,AG-GT

1000985,1001948,964,START:Ends:1003728-1001977-
 ID=NCLIV_020430 - 14 A..ATG
 1029233,1029543,311,END:Starts:1028338-1028313-1028346-
 1030190,1030272,83,EXACT,AG-GT
 1030449,1030533,85,EXACT,AG-GT
 1031105,1031201,97,START: end 844 AG-GT
 1032170,1032327,158,EXACT,AG-GT
 1032711,1032786,76,EXACT,AG-GT
 1032922,1032998,77,EXACT,AG-GT
 1033566,1033797,232,EXACT,AG-GT
 1034280,1034383,104,EXACT,AG-GT
 1034605,1034710,106,EXACT,AG-GT
 1034914,1035081,168,EXACT,AG-GT
 1035285,1035956,672,EXACT,AG-GT
 1036144,1036355,212,EXACT,AG-GT
 1036644,1036728,85,START:Ends:1037537-1037536-
 ID=NCLIV_020460 - 1 A..ATG
 1055753,1059625,3873
 ID=NCLIV_020480 - 1 A..ATG
 1070698,1071480,783
 ID=NCLIV_020560 - 5 GCGATGA
 1131278,1132533,1256
 1133079,1133362,284
 1134183,1135439,1257,END: start 51 AG (ref:AC-GT)<< Possible error
 1135605,1135839,235,START: end 2262 GT
 1136059,1137190,1132,OVER:Ends:1138060-1138193-1138101-
 ID=NCLIV_020570 - 6 G..ATGG
 1140354,1140444,91,END:Starts:1139572-1139317-
 1140843,1140925,83,START: end 844 AG-GT (ref:AC-GT)<< Possible error
 1141470,1141769,300,END: start -627 AG-GT (ref:AC-GT)<< Possible error
 1141963,1142379,417,EXACT,AG-GT
 1142959,1143429,471,END: start -180 AG-GT (ref:AC-GT)<< Possible error
 1143745,1143987,243,START:Ends:1144447-1144343-1144452-
 ID=NCLIV_020580 - 3 A..ATG
 1144795,1146522,1728
 1147830,1147960,131
 1148756,1148864,109
 ID=NCLIV_020600 - 4 CTCATGG
 1151425,1151520,96,END:Starts:1150684-1150474-1150731-
 1151742,1152049,308,EXACT,AG-GT
 1152266,1152463,198,EXACT,AG-GT
 1153218,1154223,1006,START:Ends:1154757-1154534-
 ID=NCLIV_020610 - 1 A..ATG
 1156858,1160484,3627
 ID=NCLIV_020620 - 5 A..ATG
 1163714,1163848,135,END:Starts:1163286-1163340-1163374-
 1164488,1164910,423,EXACT,AG-GT
 1165072,1169889,4818,START: end -3417 GT
 1170221,1170699,479,START: end -138 GT
 1171250,1171796,547
 ID=NCLIV_020640 - 1 [CT]..ATG[ACT]
 1175732,1176700,969
 ID=NCLIV_020650 - 12 A..ATG
 1178390,1178524,135,OVER:Starts:1178210-1178232-1178895-
 1178895,1178990,96,END: start -663 AG (ref:AC-GT)<< Possible error
 1179314,1179405,92,EXACT,AG-GT
 1179692,1180319,628,EXACT,AG-GT
 1180542,1180914,373,START: end 3 GT
 1181362,1181557,196,EXACT,AG
 1182103,1182611,509,EXACT,AG-GT

1183001,1183248,248,EXACT,AG-GT
 1183618,1183788,171,EXACT,AG-GT
 1184101,1184564,464,EXACT,AG-GT
 1185054,1185405,352,EXACT,AG-GT
 1185926,1186840,915,START:Ends:1188168-1188186-
 ID=NCLIV_020670 - 1 A..ATG
 1193291,1196068,2778
 ID=NCLIV_020680 - 1 [CT]..ATG[ACT]
 1200989,1202767,1779
 ID=NCLIV_020700 - 5 [CT]..ATG[ACT]
 1239077,1239439,363,OVER:Starts:1238531-1239720-1238381-
 1239724,1240012,289,END: start -1193 AG (ref:AC-GT)<< Possible error
 1240490,1242319,1830,START: end -5 GT
 1242664,1242752,89,EXACT,Info:AG-GC-AG-GT-
 1243662,1243688,27,OVER:Ends:1243951-1244078-
 ID=NCLIV_020720 - 4 A..ATG
 1247718,1247965,248,END:EXACT
 1248086,1248298,213,EXACT,AG-GT
 1248403,1248486,84,EXACT,AG-GT
 1248614,1248680,67,START:EXACT
 ID=NCLIV_020730 - 1 A..ATG
 1250368,1251486,1119
 ID=NCLIV_020740 - 8 A..ATG
 1254403,1254670,268,END:Starts:1253645-1253385-1253618-
 1254955,1255090,136,EXACT,AG-GT
 1255553,1255676,124,EXACT,AG-GT
 1256031,1256318,288,EXACT,AG-GT
 1256747,1258145,1399,START: end 218 AG-GT
 1258448,1258488,41
 1258878,1258958,81,EXACT,AG-GT
 1259429,1259743,315,START:Ends:1260241-1260243-
 ID=NCLIV_020760 - 4 A..ATG
 1267149,1267219,71
 1269334,1269366,33,OVER: start -1013 and end 1178 AG
 1270050,1270544,495,END: start -1729 AG
 1271737,1271779,43,START:Ends:1272112-1272097-1272106-
 ID=NCLIV_020770 - 11 [CT]..ATG[ACT]
 1274960,1275106,147,END:Starts:1274487-1273319-1273425-
 1275520,1275603,84,EXACT,AG-GT
 1276126,1276263,138,EXACT,AG-GT
 1276627,1276710,84,EXACT,AG-GT
 1277076,1277390,315,EXACT,AG-GT
 1277771,1277882,112,EXACT,AG-GT
 1278325,1278449,125,EXACT,AG-GT
 1278905,1279241,337,EXACT,AG-GT
 1279571,1279695,125,EXACT,AG-GT
 1280300,1280386,87,EXACT,AG-GT
 1281677,1281688,12,START:Ends:1282620-1282819-
 ID=NCLIV_020800 - 15 GCCATGT
 1299885,1300832,948
 1301143,1301508,366
 1301932,1302007,76
 1302429,1302777,349
 1303569,1304426,858,END: start -217 AG (ref:AC-GT)<< Possible error
 1304802,1305041,240,END: start -174 AG-GT
 1305650,1306019,370,EXACT,TAG|TGA|TAA:AG-GT
 1306312,1306454,143,EXACT,GT
 1306961,1307059,99
 1307426,1307582,157
 1307825,1307952,128

1308118,1308204,87
 1308779,1309054,276
 1309410,1309547,138
 1310411,1310654,244
 ID=NCLIV_020810 - 2 A..ATG
 1315576,1315849,274,OVER:Ends:1316286-1316328-
 1315914,1316194,281,OVER:Ends:1316286-1316328-
 ID=NCLIV_020830 - 8 G..ATGG
 1320769,1320867,99,END:Starts:1320679-1320670-1320682-
 1321460,1321584,125,EXACT,AG-GT
 1322061,1322467,407,START: end 87 AG-GT
 1322969,1323044,76,END: start 14 AG-GC (ref:AC-GT)<< Possible error
 1323332,1324149,818,START: end -21 GT
 1324453,1324592,140,EXACT,AG
 1325182,1325307,126,EXACT,AG-GT
 1325648,1326499,852,START:Ends:1328242-1328166-
 ID=NCLIV_020850 - 6 G..ATGG
 1339712,1339753,42,END:Starts:1339638-1339566-1338912-
 1340413,1340471,59,EXACT,AG-GT
 1340862,1341043,182,EXACT,AG-GT
 1341620,1341661,42,START: end 50 AG-GT
 1342909,1343069,161,END: start -325 AG-GT
 1343569,1345419,1851,START:Ends:1343869-1344639-
 ID=NCLIV_020870 - 8 [CT]..ATG[ACT]
 1351080,1351214,135
 1351785,1352471,687
 1352873,1353790,918
 1354292,1354816,525
 1355243,1355369,127
 1355698,1355969,272
 1356560,1359636,3077
 1360315,1364443,4129
 ID=NCLIV_020900 - 4 [CT]..ATG[ACT]
 1379709,1381186,1478,END:EXACT
 1381763,1382072,310,EXACT,AG-GT
 1382545,1383278,734,EXACT,AG-GT
 1383638,1383674,37
 ID=NCLIV_020930 - 3 A..ATG
 1426779,1428591,1813
 1429037,1429383,347
 1430113,1430298,186
 ID=NCLIV_020960 - 1 [CT]..ATG[ACT]
 1448369,1450228,1860
 ID=NCLIV_020970 - 11 G..ATGG
 1452305,1452478,174,OVER:Starts:1451638-1451924-1451782-
 1452922,1455635,2714,END: start -1140 AG (ref:AC-GT)<< Possible error
 1455909,1456451,543,EXACT,AG-GT
 1456585,1456782,198,EXACT,AG-GT
 1456887,1456993,107,EXACT,AG-GT
 1457273,1457339,67,EXACT,AG-GT
 1457710,1457886,177,EXACT,AG-GT
 1458340,1458462,123,EXACT,AG-GT
 1458919,1459227,309,EXACT,AG-GT
 1459545,1460232,688,EXACT,AG-GT
 1460639,1461424,786,START:Ends:1463405-1463329-1467380-
 ID=NCLIV_020980 - 3 A..ATG
 1466377,1468186,1810,END:Starts:1465310-1467466-
 1468819,1469228,410,START: end -37 GT
 1469376,1473122,3747
 ID=NCLIV_020990 - 13 [CT]..ATG[ACT]

1476716,1477116,401,END:Starts:1475323-1475344-1475287-
1477490,1477601,112,EXACT,AG-GT
1477844,1477890,47
1478377,1478494,118,EXACT,AG-GT
1478911,1479037,127,EXACT,AG-GT
1479639,1479793,155,EXACT,AG-GT
1480360,1480512,153,EXACT,AG-GT
1481079,1481356,278,EXACT,AG-GT
1481568,1481764,197,EXACT,AG-GT
1482129,1482546,418,EXACT,AG-GT
1483087,1483248,162,EXACT,ATG:AG-GT
1483779,1484442,664,START: end -3 AG-GT
1484875,1485246,372
ID=NCLIV_021000 - 6 GCGATGC
1488254,1488400,147,END:Starts:1486178-1486182-1486170-
1488849,1488942,94,EXACT,AG-GT
1489830,1489979,150,EXACT,AG-GT
1490639,1490947,309,START: end 1025 AG-GT
1491353,1491972,620,END: start -714 AG-GT
1492560,1492730,171,START:Ends:1493530-1493785-
ID=NCLIV_021010 - 10 TACATGG
1496399,1496467,69
1496795,1497361,567,END: start 11 AG
1497862,1499602,1741,EXACT,GT
1500058,1500407,350,EXACT,AG-GT
1500672,1501852,1181,EXACT,AG-GT
1502242,1502596,355,EXACT,AG-GT
1503067,1504660,1594,START: end -1019 GT
1504982,1505325,344,START: end 4 GT
1505528,1506214,687,END: start 7 AG (ref:AC-GT)<< Possible error
1506759,1506797,39,START:EXACT
ID=NCLIV_021020 - 2 G..ATGG
1508763,1510986,2224,END:EXACT
1511379,1512088,710,START:Ends:1512810-1512401-1513979-
ID=NCLIV_021030 - 7 A..ATG
1516962,1517480,519,END:Starts:1515863-1516519-1516466-
1517887,1517972,86,EXACT,AG-GT
1518437,1518722,286,EXACT,AG-GT
1519458,1519542,85,EXACT,AG-GT
1520179,1520366,188,EXACT,AG-GT
1520866,1520993,128,EXACT,ATG:AG-GT
1521611,1521752,142,START:Ends:1525160-1525418-1525207-
ID=NCLIV_021070 - 5 A..ATG
1544283,1544318,36,END:Starts:1543537-1543634-1543651-
1544808,1544930,123,EXACT,AG-GT
1545177,1545231,55,EXACT,AG-GT
1545508,1546549,1042,EXACT,AG-GT
1547136,1548303,1168,START:Ends:1547596-1547602-1547621-
ID=NCLIV_021090 - 1 [CT]..ATG[ACT]
1556445,1557311,867
ID=NCLIV_021100 - 3 A..ATG
1559428,1559534,107,END:Starts:1558904-1558923-1558918-
1559859,1559981,123,EXACT,AG-GT
1560582,1561065,484,START:EXACT
ID=NCLIV_021130 - 7 A..ATG
1590025,1590388,364,END:Starts:1587625-1589403-1587648-
1591164,1591239,76,EXACT,ATG:AG-GT
1591832,1591941,110,EXACT,AG-GT
1592492,1592599,108,EXACT,AG-GT
1593116,1593211,96,EXACT,AG-GT

1593782,1594574,793,EXACT,AG-GT
1594859,1595630,772,START:Ends:1596345-1596322-1596420-
ID=NCLIV_021150 - 13 G..ATGG
1612682,1612768,87,END:Starts:1612344-1612333-
1614815,1614940,126
1615463,1615527,65,EXACT,AG-GT
1616031,1616100,70,EXACT,AG-GT
1616545,1616622,78,EXACT,GT
1616818,1616853,36,EXACT,AG
1617423,1617522,100,EXACT,AG-GT
1617793,1617961,169,START: end -42 AG-GT
1618361,1618418,58
1618997,1619083,87
1619419,1619458,40
1619982,1620035,54
1620758,1622163,1406
ID=NCLIV_021170 - 9 A..ATG
1632513,1632687,175,END:Starts:1630828-1631621-1631449-
1633086,1634452,1367,START: end 125 AG-GT
1636476,1637105,630,END: start -1477 AG-GT
1637295,1637421,127,EXACT,AG-GT
1637894,1638037,144,EXACT,AG-GT
1638349,1638439,91,EXACT,GT
1638748,1638894,147
1639232,1639944,713,EXACT,AG-GT
1640271,1641814,1544,START:Ends:1640446-1642802-
ID=NCLIV_021180 - 11 G..ATGG
1643974,1644295,322
1644704,1644762,59
1645033,1645221,189
1646066,1646266,201
1646725,1646916,192
1647239,1647511,273
1647939,1648121,183
1648394,1648568,175
1648867,1648937,71
1649196,1649258,63
1650237,1650428,192
ID=NCLIV_021190 - 10 A..ATG
1655917,1656185,269
1656607,1656689,83
1656853,1656882,30
1657033,1657077,45
1657197,1657245,49
1657361,1657408,48
1657521,1657571,51
1657694,1657747,54
1657872,1657916,45
1658053,1658326,274
ID=NCLIV_021200 - 7 G..ATGG
1660172,1661287,1116,END:Starts:1659102-1659109-1659050-
1661636,1661729,94,EXACT,AG-GT
1662093,1662217,125,EXACT,AG-GT
1662852,1662973,122,START: end -53 ATG:AG-GT (ref:AC-GT)<< Possible error
1663477,1663713,237
1664412,1666643,2232,OVER: start -931 and end 36 AG-GT (ref:AC-GT)<< Possible error
1667157,1668651,1495,START:Ends:1671552-1670060-1671999-
ID=NCLIV_021210 - 7 A..ATG
1672760,1672792,33,END:Starts:1672275-1672227-1672274-
1673136,1673261,126,EXACT,AG-GT

1673745,1673933,189,EXACT,AG-GT
 1674391,1674501,111,START: end 1 GT
 1674804,1674914,111,END: start 2 AG (ref:AC-GT)<< Possible error
 1675522,1675666,145,EXACT,AG-GT
 1675993,1676135,143,START:Ends:1676714-1676690-1676715-
 ID=NCLIV_021220 - 2 A..ATG
 1678685,1680013,1329,END:Starts:1677210-1678435-1678388-
 1680701,1680835,135,START:Ends:1681353-1681309-1680784-
 ID=NCLIV_021250 - 2 A..ATG
 1705082,1707141,2060,END:Starts:1703327-1703412-1703391-
 1707536,1707884,349,START:EXACT
 ID=NCLIV_021260 - 8 A..ATG
 1719678,1719860,183,END:Starts:1716366-1717963-1717251-
 1720168,1720397,230,EXACT,AG-GT
 1720659,1720744,86,EXACT,AG-GT
 1721179,1721281,103,EXACT,AG-GT
 1721563,1721757,195,START: end 18 AG-GT (ref:AC-GT)<< Possible error
 1722066,1722239,174,EXACT,AG-GT
 1722631,1722697,67,START: end -1 GT
 1723233,1723898,666
 ID=NCLIV_021300 - 11 A..ATG
 1755937,1755989,53,END:Starts:1753961-1755094-1753942-
 1756445,1757284,840,EXACT,AG-GT
 1757605,1757717,113,START: end -7 GT
 1757999,1758080,82,END: start -5 AG
 1758668,1758766,99,EXACT,AG-GT
 1759282,1759790,509,EXACT,AG-GT
 1760611,1761364,754,EXACT,AG-GT
 1761708,1762209,502,EXACT,AG-GT
 1762957,1763100,144,START: end 6 GT
 1763700,1763960,261,END: start 14 AG-GC
 1764678,1765478,801,START:Ends:1766064-1766383-
 ID=NCLIV_021340 - 5 A..ATG
 1801782,1803877,2096,END:Starts:1800227-1800382-1799609-
 1804302,1805048,747,START: end 1 GT
 1805400,1805837,438,END: start 14 AG (ref:AC-GT)<< Possible error
 1806225,1810650,4426,EXACT,AG-GT
 1811053,1813680,2628,START:Ends:1811734-1814311-
 ID=NCLIV_021350 - 2 A..ATG
 1819909,1820243,335,END:Starts:1819113-1819125-1819126-
 1821175,1821652,478
 ID=NCLIV_021360 - 3 [CT]..ATG[ACT]
 1825041,1827306,2266,END:Starts:1823096-1822946-1822859-
 1827886,1828031,146,EXACT,AG-GT
 1828534,1833636,5103,EXACT,ATG:AG-GT
 ID=NCLIV_021380 - 12 A..ATG
 1856834,1860003,3170,END:Starts:1855732-1859964-
 1860622,1864373,3752,WITHIN: start 117 and end -1290 GT
 1865403,1865489,87,START: end 4228 GT
 1866049,1868915,2867,OVER: start -646 and end 802 GT
 1869609,1873708,4100
 1874765,1876108,1344
 1876877,1879309,2433
 1880759,1880936,178
 1881655,1882647,993
 1883204,1883961,758
 1884531,1889542,5012
 1890074,1890243,170
 ID=NCLIV_021390 - 2 A..ATG
 1893560,1893661,102

1894385,1894600,216
 ID=NCLIV_021410 - 1 A..ATG
 1909011,1910327,1317
 ID=NCLIV_021420 - 1 A..ATG
 1913362,1914630,1269
 ID=NCLIV_021440 - 9 G..ATGG
 1935408,1935442,35,OVER:EXACT
 1936262,1936477,216,END: start -1241 AG-GT
 1937454,1937829,376,EXACT,AG-GT
 1938210,1939028,819,START: end 3430 Code:INTERNAL-
 1941584,1942458,875,END: start -3374 Code:INTERNAL-
 1942896,1943100,205,EXACT,AG-GT
 1943890,1944036,147,EXACT,AG-GT
 1944452,1944604,153,EXACT,AG-GT
 1945039,1945395,357,START:Ends:1947765-1947318-1947741-
 ID=NCLIV_021450 - 2 A..ATG
 1950712,1951461,750,END:Starts:1950082-1950049-
 1952175,1957706,5532,START:Ends:1953688-1955635-
 ID=NCLIV_021500 - 10 A..ATG
 1990977,1992241,1265,END:Starts:1989542-1990312-1989553-
 1992792,1993050,259,EXACT,AG-GT
 1993372,1993486,115,EXACT,AG-GT
 1993785,1993848,64,EXACT,AG-GT
 1994245,1994296,52,EXACT,AG-GT
 1994650,1994739,90,EXACT,AG-GT
 1995291,1995609,319,START: end 41 GT
 1995912,1996168,257,END: start 12 AG (ref:AC-GT)<< Possible error
 1996634,1997199,566,EXACT,AG-GT
 1997594,1998842,1249,START:Ends:1999653-1999655-
 ID=NCLIV_021510 - 7 A..ATG
 2002976,2003105,130,END:Starts:2001181-2001246-2001395-
 2003753,2003831,79,EXACT,AG-GT
 2004402,2004473,72,EXACT,AG-GT
 2004886,2004986,101,EXACT,AG
 2005471,2005613,143,EXACT,AG-GT
 2006247,2006332,86,EXACT,AG-GT
 2006890,2006962,73,START:Ends:2007881-2008027-
 ID=NCLIV_021530 - 6 CAAATGG
 2014057,2014232,176,END:Starts:2013701-2012852-
 2014692,2015482,791,START: end -41 GT
 2015931,2016017,87
 2016644,2016730,87
 2017112,2017246,135
 2017945,2018450,506
 ID=NCLIV_021550 - 2 GCAATGA
 2027302,2027872,571,END:Starts:2026465-2026548-2026458-
 2028439,2029178,740,START:Ends:2031742-2030579-2032351-
 ID=NCLIV_021570 - 1 A..ATG
 2046438,2048789,2352
 ID=NCLIV_021600 - 9 G..ATGG
 2062702,2062916,215
 2063202,2063302,101
 2063587,2063717,131
 2064243,2064429,187
 2064790,2064870,81
 2065421,2065536,116
 2065938,2066246,309
 2066720,2066868,149
 2067447,2067528,82
 ID=NCLIV_021620 - 1 G..ATGG

2076186,2077157,972
ID=NCLIV_021630 - 15 A..ATG
2080427,2080593,167,END:EXACT
2081128,2081257,130,EXACT,AG-GT
2081563,2081716,154,EXACT,AG-GT
2082020,2082621,602,EXACT,AG-GT
2083131,2083223,93,EXACT,AG-GT
2083548,2083896,349,EXACT,AG-GT
2084229,2084940,712,EXACT,AG-GT
2085324,2090370,5047,EXACT,AG-GT
2090883,2092747,1865,EXACT,AG-GT
2093146,2095375,2230,EXACT,AG-GT
2095760,2096474,715,EXACT,AG-GT
2096941,2097196,256,START: end 261 GT
2097645,2098277,633,EXACT,Info:AG-GT-donor=TC-AG-GC-
2099386,2099717,332,START: end -14 AG-GT
2100021,2103121,3101
ID=NCLIV_021660 - 1 [CT]..ATG[ACT]
2123399,2124136,738,OVER:Starts:2122218-2123110-
ID=NCLIV_021670 - 5 G..ATGG
2126472,2126606,135,END:Starts:2125486-2124893-
2126978,2127238,261,EXACT,AG-GT
2127610,2127702,93
2127806,2127944,139,EXACT,AG-GT
2128421,2128491,71,START:Ends:2129387-2129386-2129451-
ID=NCLIV_021700 - 3 GGAATGA
2136857,2138865,2009
2139074,2140691,1618
2141441,2143360,1920
ID=NCLIV_021720 - 12 A..ATG
2153780,2153925,146,END:Starts:2152008-2152027-2152908-
2154541,2154631,91,EXACT,AG-GT
2154928,2154996,69,EXACT,AG-GT
2155499,2155635,137,EXACT,AG-GT
2156352,2156526,175,EXACT,AG-GT
2157052,2157190,139,START: end -6 GT
2157809,2157949,141
2158204,2158752,549
2159605,2159744,140
2160262,2160413,152
2160632,2160821,190
2161144,2161404,261
ID=NCLIV_021760 - 11 A..ATG
2193047,2194666,1620,END:Starts:2190270-2192356-2190780-
2195047,2195184,138,EXACT,AG-GT
2195638,2195767,130,EXACT,AG-GT
2196186,2197347,1162,EXACT,AG-GT
2197828,2198935,1108,START: end -14 GT
2199202,2199579,378,END: start 5 AG
2199985,2200070,86,EXACT,GT
2200474,2202461,1988,START: end 3 GT
2202797,2203814,1018,EXACT,AG-GT
2204243,2204428,186,EXACT,AG-GT
2204845,2210311,5467,START:Ends:2211835-2212398-
ID=NCLIV_021780 - 12 A..ATG
2222946,2223503,558
2224166,2224280,115,EXACT,AG
2224879,2225030,152,START: end 328 AG-GT
2226441,2226584,144,EXACT,AG-GT
2227047,2227204,158,EXACT,AG-GT

2227575,2227662,88,EXACT,AG-GT
2228005,2228113,109,EXACT,AG-GT
2228675,2228762,88,EXACT,AG-GT
2229189,2229231,43,EXACT,AG-GT
2229368,2229487,120,EXACT,AG-GT
2230014,2230243,230,EXACT,AG-GT
2230794,2230887,94,START:Ends:2231977-2231889-
ID=NCLIV_021800 - 59 A..ATG
2243876,2244049,174,END:Starts:2243553-2243601-2243592-
2244579,2244694,116,EXACT,AG-GT
2245413,2245674,262,EXACT,AG-GT
2246270,2246422,153,START: end 72 GT
2246767,2246877,111
2249435,2249624,190
2250027,2250118,92
2250591,2250866,276
2251320,2251649,330
2251969,2252238,270
2252650,2253090,441
2253678,2253842,165,END: start -171 AG (ref:AC-GT)<< Possible error
2254479,2254862,384,EXACT,AG-GT
2255157,2255370,214,EXACT,AG-GT
2256022,2256116,95,END: start -72 GT
2256773,2257215,443,START: end -177 AG
2257389,2257659,271,EXACT,GT
2258375,2258515,141
2258982,2259505,524
2260090,2260319,230
2260695,2260867,173
2261223,2261519,297
2261860,2262595,736
2263234,2263343,110
2263908,2263914,7
2264467,2264655,189
2265293,2265531,239
2266034,2266267,234
2266885,2267059,175
2267285,2267433,149
2268214,2268383,170
2268775,2269058,284
2269441,2269795,355
2270513,2270737,225
2271034,2271314,281
2271876,2271973,98
2272400,2272653,254
2273221,2273434,214
2273826,2274187,362
2274870,2275095,226
2275655,2275816,162
2276572,2276970,399
2277466,2277834,369
2278466,2278693,228
2279023,2279158,136
2279831,2279930,100
2280489,2280599,111
2281010,2281192,183
2281881,2282085,205
2282420,2282671,252
2283310,2283754,445
2284036,2284168,133

2284496,2284694,199
 2285243,2285501,259
 2285839,2286067,229
 2286245,2286485,241
 2286917,2287030,114
 2287329,2287503,175
 2287854,2287981,128
 ID=NCLIV_021820 - 8 [CT]..ATG[ACT]
 2294779,2295060,282
 2295212,2295361,150
 2295465,2295554,90
 2295797,2295940,144
 2296273,2296393,121
 2296626,2296821,196
 2297003,2297157,155
 2297264,2297325,62
 ID=NCLIV_021860 - 4 GGTATGA
 2310313,2310816,504,END:EXACT
 2311064,2311369,306,EXACT,AG-GT
 2311482,2311746,265,EXACT,AG-GT
 2311922,2312208,287,START:Starts:2313905-2311922-
 ID=NCLIV_021890 - 6 A..ATG
 2334428,2334556,129,END:Starts:2333507-2333250-2333233-
 2335162,2335307,146,START: end 95 GT
 2335893,2335937,45
 2336533,2336647,115
 2337081,2337229,149
 2338137,2338452,316
 ID=NCLIV_021900 - 3 TCAATGG
 2340740,2341290,551
 2341428,2341787,360
 2342270,2345456,3187
 ID=NCLIV_021920 - 1 A..ATG
 2356433,2362603,6171
 ID=NCLIV_021940 - 15 G..ATGG
 2380737,2380844,108,END:Starts:2380153-2380161-2380162-
 2381621,2381887,267,EXACT,AG-GT
 2382243,2382322,80,EXACT,AG-GT
 2382940,2383183,244,EXACT,AG-GT
 2383825,2384028,204,EXACT,AG-GT
 2384513,2384665,153,EXACT,AG-GT
 2385233,2385346,114,EXACT,AG-GT
 2385931,2385977,47,EXACT,AG-GT
 2386990,2387077,88,EXACT,AG-GT
 2387361,2387467,107,EXACT,AG-GT
 2388157,2388291,135,EXACT,AG-GT
 2388948,2389109,162,EXACT,AG-GT
 2389515,2389955,441,EXACT,AG-GT
 2390631,2390829,199,EXACT,AG-GT
 2391063,2394419,3357,START:Ends:2394718-2394715-
 ID=NCLIV_021960 - 1 A..ATG
 2413190,2414098,909
 ID=NCLIV_021980 - 1 A..ATG
 2429840,2430844,1005
 ID=NCLIV_022000 - 8 A..ATG
 2436154,2436222,69
 2436378,2436489,112,EXACT,AG-GT
 2436641,2436692,52,START: end 47 AG-GT (ref:AC-GT)<< Possible error
 2437119,2437297,179,START: end 135 TAG|TGA|TAA:AG-GT (ref:AC-GT)<< Possible error
 2437553,2438528,976,START: end 716 GT

2438985,2439235,251,OVER: start -1432 and end 9 GT
 2439330,2439463,134,END: start 16 AG (ref:AC-GT)<< Possible error
 2439612,2439989,378,START:Ends:2440961-2439856-2440397-
 ID=NCLIV_022030 - 1 A..ATG
 2452050,2453189,1140
 ID=NCLIV_0220- 8 A..ATG
 2479968,2481505,1538,END:Starts:2481186-2481281-2481286-
 2481806,2481925,120,EXACT,AG-GT
 2482181,2482340,160,EXACT,AG-GT
 2482620,2482744,125,EXACT,AG-GT
 2482962,2483212,251,EXACT,AG-GT
 2483597,2483897,301,EXACT,AG-GT
 2484427,2484959,533,EXACT,AG-GT
 2485564,2485619,56,START:EXACT
 ID=NCLIV_022080 - 4 A..ATG
 2493980,2494378,399,END:Starts:2494193-2493557-2493482-
 2494615,2494726,112,EXACT,AG-GT
 2494964,2495088,125,EXACT,AG-GT
 2495369,2495371,3,START:Ends:2496410-2495489-
 ID=NCLIV_022110 - 6 [CT]..ATG[ACT]
 2506871,2506911,41
 2507362,2507445,84
 2508042,2508107,66
 2508476,2508568,93
 2508933,2509073,141
 2509359,2509515,157
 ID=NCLIV_0221- 10 A..ATG
 2512574,2512888,315,END:Starts:2512097-2512132-2512105-
 2513567,2513945,379,EXACT,AG-GT
 2514347,2514407,61,END: start 1 AG-GT (ref:AC-GT)<< Possible error
 2514688,2514888,201,EXACT,AG-GT
 2515439,2515521,83,EXACT,AG-GT
 2515950,2516008,59,EXACT,AG-GT
 2516534,2516730,197,START: end -111 AG-GT (ref:AC-GT)<< Possible error
 2517241,2517431,191,EXACT,AG-GT
 2518122,2518178,57,EXACT,AG-GT
 2518675,2518838,164,START:Ends:2519531-2519512-2519765-
 ID=NCLIV_022130 - 1 GCGATGC
 2522190,2525432,3243
 ID=NCLIV_022150 - 5 CCGATGG
 2539300,2539362,63,END:Starts:2538599-2538601-2538611-
 2539738,2539832,95,EXACT,AG-GT
 2540302,2540967,666,EXACT,TAG|TGA|TAA:AG-GT
 2541650,2541717,68,EXACT,AG-GT
 2542095,2542321,227,START:Ends:2542741-2542732-
 ID=NCLIV_022170 - 6 G..ATGG
 2549796,2549944,149,END:Starts:2547378-2549348-2547861-
 2550396,2550472,77,EXACT,AG-GT
 2551170,2552675,1506,EXACT,AG-GT
 2553100,2553185,86,EXACT,AG-GT
 2553664,2553728,65,EXACT,AG-GT
 2553957,2555178,1222,START:Ends:2555828-2555954-2556052-
 ID=NCLIV_022190 - 11 [CT]..ATG[ACT]
 2566141,2567079,939
 2567687,2567822,136
 2568408,2568613,206
 2569110,2570107,998
 2570477,2570814,338
 2571140,2571304,165
 2571538,2571619,82

2571728,2573109,1382
 2573460,2574496,1037
 2574901,2575240,340
 2575714,2575736,23
 ID=NCLIV_022200 - 4 A..ATG
 2580045,2580065,21
 2581088,2581325,238
 2582113,2582177,65
 2582744,2584978,2235
 ID=NCLIV_022220 - 8 A..ATG
 2591381,2591498,118,END:Starts:2588242-2590801-2590823-
 2591939,2592171,233,EXACT,AG-GT
 2592557,2592781,225,EXACT,AG-GT
 2593154,2593341,188,EXACT,AG-GT
 2593528,2593635,108,EXACT,AG-GT
 2594003,2594196,194,EXACT,AG-GT
 2594635,2594906,272,EXACT,AG-GT
 2595946,2596332,387,START:Ends:2596869-2596770-2596845-
 ID=NCLIV_022240 - 2 A..ATG
 2613685,2616648,2964
 2617205,2617702,498,OVER:Ends:2618403-2618241-
 ID=NCLIV_022250 - 6 A..ATG
 2620421,2621310,890,END:Starts:2619133-2617205-
 2621596,2621719,124,EXACT,AG-GT
 2622091,2622278,188,EXACT,AG-GT
 2622675,2622836,162,EXACT,AG-GT
 2623335,2623505,171,EXACT,AG-GT
 2623787,2624396,610,START:Ends:2625046-2625050-
 ID=NCLIV_022310 - 16 [CT]..ATG[ACT]
 2677332,2677712,381,OVER:Starts:2675393-2678119-2677292-
 2678106,2678183,78,END: start -814 AG (ref:AC-GT)<< Possible error
 2678357,2678508,152,EXACT,AG-GT
 2678887,2678931,45,EXACT,AG-GT
 2679648,2679773,126,START: end 473 AG-GT
 2680108,2680246,139,END: start -460 AG-GT
 2680726,2680809,84,EXACT,AG-GT
 2681096,2681179,84,START: end 337 AG-GT (ref:AC-GT)<< Possible error
 2681407,2681516,110,END: start -311 AG-GT (ref:AC-GT)<< Possible error
 2683160,2683231,72,END: start -55 AG-GT (ref:AC-GT)<< Possible error
 2683352,2683688,337,WITHIN: start 28 and end -166 AG-GT (ref:GC-GC)<< Possible error
 2684071,2684170,100,EXACT,AG-GT
 2684492,2684640,149,EXACT,AG-GT
 2685058,2685360,303,EXACT,AG-GT
 2685589,2686601,1013,START: end 1189 GT
 2686817,2686883,67,OVER:Ends:2687749-2687790-
 ID=NCLIV_022320 - 1 A..ATG
 2690511,2691446,936
 ID=NCLIV_022330 - 1 A..ATG
 2693082,2694017,936
 ID=NCLIV_022370 - 13 [CT]..ATG[ACT]
 2734759,2734917,159,END:Starts:2733730-2734005-
 2735635,2735879,245,EXACT,AG-GT
 2736659,2736762,104,END: start -506 AG-GT (ref:AC-GT)<< Possible error
 2737503,2737818,316,START: end -40 GT
 2738655,2738841,187
 2739169,2739423,255
 2739781,2740002,222,END: start 13 AG
 2740304,2740482,179,EXACT,GT
 2740669,2740999,331,EXACT,TAG|TGA|TAA:AG-GT
 2741264,2741386,123,START: end 2 GT

2741800,2742674,875,START: end 152 GT
 2745303,2745479,177,EXACT,AG-GT
 2745902,2746136,235,START:EXACT
 ID=NCLIV_022390 - 11 TCGATGG
 2763942,2764254,313
 2764767,2764921,155,EXACT,AG
 2765449,2765607,159,EXACT,AG-GT
 2765927,2766013,87,EXACT,AG-GT
 2766612,2766875,264,START: end 5 GT
 2767384,2767608,225,END: start 7 AG (ref:AC-GT)<< Possible error
 2768007,2769194,1188,EXACT,AG-GT
 2769451,2769550,100,EXACT,AG-GT
 2770840,2770944,105,EXACT,AG-GT
 2771274,2771500,227,EXACT,AG-GT
 2772428,2773875,1449,START:Ends:2778006-2777497-2780489-
 ID=NCLIV_022400 - 8 A..ATG
 2780428,2780489,62,END:Starts:2779808-2778247-
 2781008,2781221,214,EXACT,ATG:AG-GT
 2781766,2782038,273,EXACT,AG-GT
 2782620,2782783,164,EXACT,AG-GT
 2783058,2783352,295,START: end 15 GT
 2783793,2784079,287,END: start 12 AG (ref:AC-GT)<< Possible error
 2784399,2784593,195,EXACT,AG-GT
 2784808,2784967,160,START:Ends:2786165-2786146-2786197-
 ID=NCLIV_022420 - 4 A..ATG
 2793009,2793298,290,END:Starts:2788511-2788453-
 2793534,2793785,252,START: end -40 GT
 2794284,2794345,62
 2794732,2795045,314
 ID=NCLIV_022430 - 4 A..ATG
 2798567,2798856,290
 2799080,2799331,252
 2799856,2799917,62
 2800300,2800613,314
 ID=NCLIV_022440 - 7 CAAATGG
 2804161,2808417,4257,END:Starts:2802336-2802284-
 2808671,2808736,66,EXACT,AG-GT
 2809190,2809362,173,EXACT,AG-GT
 2809708,2809812,105,EXACT,AG-GT
 2810241,2812562,2322,EXACT,AG-GT
 2813100,2813496,397,START: end 4303 GT
 2813979,2815730,1752,OVER:Ends:2819663-2817574-2817799-
 ID=NCLIV_022470 - 10 A..ATG
 2832107,2832214,108,END:Starts:2831472-2831516-2831462-
 2832626,2832721,96,EXACT,AG-GT
 2833511,2833600,90,EXACT,AG-GT
 2834101,2834216,116,START: end 298 GT
 2834700,2834856,157,END: start 8 AG
 2835280,2835420,141,EXACT,AG-GT
 2835949,2836006,58,OVER: start -44 and end 22 AG-GT
 2836569,2836641,73,START: end -30 GT
 2837081,2837501,421,END: start 13 AG
 2838043,2838831,789,WITHIN:Ends:2840714-2838156-
 ID=NCLIV_022480 - 1 A..ATG
 2843735,2844286,552
 ID=NCLIV_022500 - 2 G..ATGG
 2851673,2852426,754,END:Starts:2849931-2849925-
 2853239,2854221,983,START:Starts:2854078-2853239-
 ID=NCLIV_022540 - 2 A..ATG
 2883455,2884047,593,END:Starts:2883100-2883145-2883144-

2884857,2886006,1150,START:Ends:2886236-2886216-2886213-
ID=NCLIV_022620 - 2 A..ATG
2956331,2956788,458,END:Starts:2955716-2955748-
2957190,2957610,421,START:EXACT
ID=NCLIV_022630 - 31 CCGATGG
2969504,2969601,98
2970018,2970093,76
2970447,2970598,152
2971073,2971468,396
2971893,2972222,330
2972491,2973030,540
2973799,2974729,931
2975313,2975518,206
2975802,2975898,97
2975992,2976021,30
2976251,2976627,377
2977003,2977264,262
2977861,2977934,74
2978542,2978744,203
2979052,2979167,116
2979320,2979387,68
2979827,2979935,109
2980397,2980591,195
2980939,2981007,69
2981509,2981548,40
2982094,2982218,125
2984534,2984650,117
2985200,2985316,117
2985599,2985682,84
2988404,2988478,75
2990334,2990397,64
2991394,2991463,70
2991904,2992183,280
2992397,2992444,48
2992832,2992901,70
2993072,2993178,107
ID=NCLIV_022650 - 5 A..ATG
3004283,3004345,63,OVER:Starts:3003729-3003678-
3004699,3005091,393,END: start -1021 AG
3005969,3006033,65,END: start -1 AG
3006298,3010783,4486,EXACT,Code:INTERNAL-
3011116,3011562,447,START:Starts:3011130-3011116-
ID=NCLIV_022670 - 1 A..ATG
3025477,3028890,3414
ID=NCLIV_022680 - 5 A..ATG
3033631,3033794,164
3033969,3034059,91
3034169,3034267,99
3034414,3034780,367
3035227,3035765,539
ID=NCLIV_022690 - 4 GAGATGC
3038345,3038499,155,END:EXACT
3039012,3039155,144,END: start -352 AG-GT
3039688,3040208,521,EXACT,Info:TAG|TGA|TAA:AG-GT-AG-GT-
3040345,3040469,125,START:EXACT
ID=NCLIV_022700 - 6 A..ATG
3051467,3051804,338,END:Starts:3051334-3051341-
3052329,3053446,1118,EXACT,AG-GT
3054044,3054120,77,EXACT,AG-GT
3054741,3055065,325,START: end -35 GT

3055636,3056777,1142,END: start 41 AG
 3057088,3057291,204,START:Ends:3057773-3057405-
 ID=NCLIV_022720 - 11 A..ATG
 3071084,3071211,128
 3071515,3071693,179,END: start 7 AG
 3072470,3072517,48
 3072715,3072788,74,EXACT,AG-GT
 3073230,3073301,72,EXACT,GT
 3073783,3074591,809
 3074976,3075227,252,EXACT,AG
 3075850,3075940,91
 3076169,3076471,303,START: end 1 GT
 3077095,3077364,270
 3077948,3078106,159
 ID=NCLIV_022740 - 2 A..ATG
 3088105,3089374,1270
 3089964,3090631,668
 ID=NCLIV_022750 - 34 [CT]..ATG[ACT]
 3093303,3093550,248,OVER:Starts:3092298-3092469-3092393-
 3094188,3094243,56,END: start -47 AG-GT (ref:AC-GT)<< Possible error
 3094830,3094907,78,EXACT,AG-GT
 3095210,3095265,56,EXACT,AG-GT
 3095756,3095857,102,EXACT,AG-GT
 3096025,3096073,49,EXACT,AG-GT
 3096352,3096423,72,EXACT,AG-GT
 3096757,3096818,62,EXACT,AG-GT
 3097126,3097212,87,EXACT,AG-GT
 3097793,3097892,100,EXACT,AG-GT
 3098144,3098233,90,EXACT,AG-GT
 3098757,3098818,62,EXACT,AG-GT
 3099540,3099681,142,EXACT,AG-GT
 3100062,3100130,69,START: end -17 GT
 3100622,3100683,62,END: start 21 AG
 3101101,3101236,136,EXACT,AG-GT
 3101495,3101662,168,EXACT,TAG|TGA|TAA:AG-GT
 3102505,3102554,50,EXACT,AG-GT
 3103234,3103285,52,EXACT,AG-GT
 3103635,3103790,156,EXACT,AG-GT
 3104428,3104579,152,EXACT,AG-GT
 3105034,3105082,49,EXACT,AG-GT
 3105635,3105692,58,EXACT,AG-GT
 3106177,3106213,37,START: end 1 GT
 3106774,3106828,55,EXACT,AG-GT
 3107420,3107498,79,EXACT,AG-GT
 3107734,3107881,148,EXACT,AG-GT
 3108544,3108610,67,START: end -11 GT
 3109025,3109064,40
 3109421,3109502,82,END: start 7 AG
 3109657,3109794,138,EXACT,AG-GT
 3110038,3110212,175,EXACT,AG-GT
 3110697,3110847,151,START: end -8 AG-GT
 3111579,3111594,16
 ID=NCLIV_022760 - 1 GCTATGA
 3115118,3115720,603
 ID=NCLIV_022770 - 1 A..ATG
 3117993,3118379,387
 ID=NCLIV_022780 - 1 G..ATGG
 3120267,3120854,588
 ID=NCLIV_022800 - 19 A..ATG
 3133954,3134553,600,END:Starts:3133711-3133712-3133193-

3135032,3135292,261,EXACT,AG-GT
 3135769,3136510,742,START: end -2 GT
 3136653,3137011,359
 3137590,3137646,57,END: start 7 AG (ref:AC-GT)<< Possible error
 3138036,3138562,527,EXACT,AG-GT
 3139027,3145312,6286,START: end -5366 GT
 3145569,3146804,1236,START: end -981 GT
 3147339,3149289,1951
 3149730,3150197,468
 3150535,3150720,186
 3151373,3152370,998
 3152839,3153025,187
 3153454,3154823,1370
 3155244,3155836,593
 3156032,3156089,58
 3156440,3156875,436
 3157217,3158146,930
 3158485,3164531,6047
 ID=NCLIV_022810 - 1 TAAATGG
 3167967,3169136,1170
 ID=NCLIV_022830 - 5 GCAATGC
 3179786,3179931,146
 3180485,3181483,999,START: end 632 AG-GT
 3182013,3182115,103,END: start -1528 AG-GT
 3182425,3182583,159,EXACT,GT
 3182880,3182984,105
 ID=NCLIV_022860 - 6 A..ATG
 3214909,3214927,19,END:Starts:3214302-3214409-3214339-
 3215355,3215530,176,EXACT,AG-GT
 3215894,3215985,92,EXACT,AG-GT
 3216478,3217026,549,EXACT,AG-GT
 3217428,3217725,298,EXACT,AG-GT
 3218313,3219359,1047,START:Ends:3219478-3220286-
 ID=NCLIV_022900 - 2 A..ATG
 3240964,3241152,189
 3241871,3242158,288
 ID=NCLIV_022910 - 1 G..ATGG
 3243815,3245167,1353
 ID=NCLIV_022960 - 6 GACATGC
 3276615,3276750,136,END:EXACT
 3277260,3277343,84,EXACT,AG-GT
 3277979,3278114,136,START: end 27 GT
 3279499,3279607,109
 3280182,3280261,80
 3280953,3281652,700
 ID=NCLIV_022970 - 4 A..ATG
 3285251,3285389,139,END:Starts:3284485-3284509-3284471-
 3285758,3286130,373,START: end 1817 AG-GT
 3286325,3287947,1623,END: start -567 AG-GT
 3288390,3288552,163,START:Ends:3288768-3288724-3288767-
 ID=NCLIV_023020 - 4 A..ATG
 3316404,3316657,254,END:Starts:3309885-3311362-3311365-
 3317427,3317610,184,EXACT,TAG|TGA|TAA:AG-GT
 3317732,3317972,241,EXACT,AG-GT
 3318222,3318304,83,START:Ends:3319516-3319097-3320366-
 ID=NCLIV_023040 - 4 G..ATGG
 3326636,3326754,119,END:Starts:3325659-3326117-3325854-
 3327250,3328354,1105,EXACT,AG-GT
 3328752,3329225,474,EXACT,AG-GT
 3329618,3329857,240,START:Ends:3330774-3330531-3330767-

ID=NCLIV_023045 - 1 A..ATG
 3333157,3335640,2484
 ID=NCLIV_023070 - 1 A..ATG
 3355292,3357058,1767
 ID=NCLIV_023080 - 5 A..ATG
 3361179,3361727,549
 3362241,3362422,182
 3362818,3363096,279
 3364369,3365671,1303
 3366048,3370826,4779
 ID=NCLIV_023100 - 5 CCAATGG
 3382158,3382592,435,END:EXACT
 3383338,3383423,86,EXACT,AG-GT
 3383849,3383960,112,EXACT,AG-GT
 3384456,3384604,149,EXACT,AG-GT
 3385300,3385780,481
 ID=NCLIV_023110 - 1 A..ATG
 3389874,3390233,360
 ID=NCLIV_023130 - 7 A..ATG
 3397871,3397996,126,END:Starts:3397993-3397304-3397373-
 3398603,3398805,203,EXACT,AG-GT
 3399109,3399514,406,EXACT,AG-GT
 3400196,3400375,180,EXACT,AG-GT
 3400945,3401038,94,EXACT,AG-GT
 3401339,3401609,271,EXACT,AG-GT
 3402726,3402762,37,OVER:Ends:3404462-3404883-
 ID=NCLIV_023140 - 9 [CT]..ATG[ACT]
 3407748,3407807,60,OVER:Starts:3406313-3406459-
 3408758,3409016,259,START: end -61 AG-GT
 3409556,3409593,38,END: start -67 AG-GT
 3409975,3410148,174,EXACT,AG-GT
 3410482,3410670,189,EXACT,AG-GT
 3411038,3411129,92,EXACT,AG-GT
 3411780,3411918,139,START: end 4070 GT
 3412184,3412303,120,OVER: start -404 and end 3685 GT
 3412828,3413394,567,OVER:Ends:3412524-3415988-
 ID=NCLIV_023160 - 2 G..ATGG
 3428558,3430185,1628,END:Starts:3427668-3427786-3429901-
 3430326,3430548,223,START:Ends:3431338-3430867-3431390-
 ID=NCLIV_023180 - 1 CGAATGG
 3438556,3439653,1098
 ID=NCLIV_023190 - 11 A..ATG
 3441953,3442150,198,END:Starts:3441262-3441237-3441259-
 3442748,3442823,76,EXACT,AG-GT
 3443318,3443457,140,EXACT,AG-GT
 3444201,3444276,76,EXACT,AG-GT
 3444781,3444919,139,EXACT,AG-GT
 3445158,3445314,157,START: end 2 GT
 3446909,3447225,317,EXACT,AG-GT
 3447821,3447940,120,EXACT,AG-GT
 3448426,3448493,68,EXACT,AG-GT
 3448765,3448892,128,START: end -83 GT
 3449231,3449422,192
 ID=NCLIV_023200 - 2 GAGATGA
 3453386,3453799,414,END:Starts:3451942-3452966-3452922-
 3454133,3455635,1503,START:Ends:3456113-3454172-3455569-
 ID=NCLIV_023220 - 1 A..ATG
 3464980,3466977,1998
 ID=NCLIV_023230 - 3 A..ATG
 3469946,3470086,141,END:Starts:3469260-3469274-3469252-

3470670,3470896,227,EXACT,AG-GT
 3471494,3471515,22,START:Ends:3472827-3472783-3473477-
 ID=NCLIV_023280 - 3 A..ATG
 3516643,3516671,29,END:Starts:3516360-3516294-
 3517314,3517527,214,EXACT,AG-GT
 3517959,3517964,6,START:Ends:3518773-3518571-3518638-
 ID=NCLIV_023290 - 1 A..ATG
 3519973,3520653,681
 ID=NCLIV_023300 - 1 A..ATG
 3522648,3523328,681
 ID=NCLIV_023310 - 1 A..ATG
 3525323,3526021,699
 ID=NCLIV_023320 - 1 A..ATG
 3528016,3528693,678
 ID=NCLIV_023330 - 1 A..ATG
 3530687,3531430,744
 ID=NCLIV_023340 - 1 A..ATG
 3533280,3536363,3084
 ID=NCLIV_023370 - 2 A..ATG
 3567027,3572416,5390
 3572788,3574858,2071
 ID=NCLIV_023380 - 7 A..ATG
 3579065,3579160,96
 3579385,3579573,189
 3580060,3580176,117
 3580828,3580964,137
 3581408,3581563,156
 3581911,3582192,282,END: start 3 AG
 3582816,3582951,136,START:Ends:3583230-3583204-
 ID=NCLIV_023410 - 1 [CT]..ATG[ACT]
 3616211,3617419,1209
 ID=NCLIV_023430 - 1 [CT]..ATG[ACT]
 3623682,3624608,927
 ID=NCLIV_023450 - 2 [CT]..ATG[ACT]
 3634149,3634747,599
 3635074,3636892,1819
 ID=NCLIV_023480 - 8 A..ATG
 3646736,3646835,100,END:Starts:3643953-3645841-3643960-
 3647102,3647155,54,EXACT,AG-GT
 3647847,3648210,364,EXACT,AG-GT
 3648614,3648761,148,EXACT,AG-GT
 3649304,3649386,83,EXACT,AG-GT
 3649566,3649782,217,EXACT,AG-GT
 3650629,3650753,125,EXACT,AG-GT
 3651479,3651539,61,OVER:Ends:3653569-3653593-
 ID=NCLIV_023500 - 2 CGGATGG
 3665922,3666776,855
 3667483,3668865,1383
 ID=NCLIV_023510 - 9 GCGATGT
 3675235,3675366,132,END:Starts:3674713-3674742-3674770-
 3675868,3675975,108,EXACT,AG-GT
 3676466,3676642,177,EXACT,AG-GT
 3676941,3677051,111,EXACT,AG-GT
 3677525,3677603,79,START: end 1 GT
 3678016,3678233,218,EXACT,AG-GT
 3678891,3679219,329,EXACT,AG-GT
 3679694,3679817,124,EXACT,AG-GT
 3680474,3680680,207,START:Ends:3681631-3680945-3681642-
 ID=NCLIV_023540 - 5 GAAATGA
 3702297,3702449,153,END:Starts:3701650-3701745-3701743-

3702841,3702969,129,EXACT,AG-GT
 3703622,3703759,138,OVER: start -111 and end 1 GC
 3704138,3704331,194,EXACT,GT
 3704709,3705099,391
 ID=NCLIV_023570 - 2 G..ATGG
 3722668,3723071,404,END:Starts:3721257-3722148-3722163-
 3723357,3724641,1285,START:Ends:3725845-3725157-3724686-
 ID=NCLIV_0235- 6 A..ATG
 3736261,3737265,1005
 3737862,3737982,121,EXACT,AG-GT
 3738323,3738444,122,EXACT,GT
 3738802,3738941,140
 3739203,3739353,151
 3739693,3740991,1299
 ID=NCLIV_023610 - 8 A..ATG
 3748681,3748804,124
 3749806,3749883,78,END: start 13 AG-GT (ref:AC-GT)<< Possible error
 3750016,3750095,80,EXACT,AG-GT
 3750654,3750719,66,EXACT,AG-GT
 3751029,3751132,104,EXACT,AG-GT
 3751423,3751618,196,EXACT,AG-GT
 3752015,3752132,118,EXACT,AG-GT
 3753056,3753090,35,START:Ends:3753530-3753540-3753544-
 ID=NCLIV_023630 - 6 G..ATGG
 3757407,3757453,47,END:Starts:3756705-3756675-3756674-
 3757885,3757943,59,EXACT,AG-GT
 3758506,3758674,169,EXACT,AG-GT
 3759107,3759245,139,EXACT,AG-GT
 3759489,3760054,566,START: end 962 GT
 3762599,3763955,1357
 ID=NCLIV_023640 - 1 A..ATG
 3766859,3770281,3423
 ID=NCLIV_023660 - 1 GACATGA
 3778858,3781563,2706,OVER:Ends:3783313-3782753-
 ID=NCLIV_023680 - 15 A..ATG
 3790098,3791181,1084
 3791645,3792823,1179
 3793269,3793715,447
 3794217,3794834,618
 3795763,3796234,472
 3796633,3796740,108
 3797108,3797181,74
 3797600,3797807,208
 3798319,3798773,455
 3799213,3799505,293
 3799632,3799702,71
 3800342,3800395,54
 3800902,3800988,87
 3802227,3802418,192
 3802928,3803399,472
 ID=NCLIV_023710 - 7 [CT]..ATG[ACT]
 3836041,3836129,89,END:Starts:3835085-3835077-3835073-
 3836320,3836532,213,START: end 509 AG-GT (ref:AC-GT)<< Possible error
 3836927,3837041,115,END: start -607 AG-GT (ref:AC-GT)<< Possible error
 3837471,3837626,156,START: end 932 AG-GT (ref:AC-GT)<< Possible error
 3838083,3838558,476,END: start -612 AG-GT (ref:AC-GT)<< Possible error
 3838727,3838847,121,EXACT,ATG to TAG|TGA|TAA:AG-GT
 3839090,3839224,135,START:Ends:3839548-3839332-3839299-
 ID=NCLIV_023740 - 11 [CT]..ATG[ACT]
 3851889,3852251,363,END:Starts:3851595-

3852817,3852881,65,EXACT,AG-GT
 3853190,3853258,69
 3853921,3853978,58
 3854382,3854429,48
 3854890,3854933,44
 3855385,3855433,49
 3855670,3855771,102
 3856381,3856513,133
 3857241,3857382,142,END: start -59 AG
 3858015,3858513,499,START:Ends:3859783-3859494-
 ID=NCLIV_023780 - 2 [CT]..ATG[ACT]
 3887523,3888737,1215,END:Starts:3885530-3885681-3885549-
 3889094,3889303,210,START:EXACT
 ID=NCLIV_023790 - 6 G..ATGG
 3893703,3893778,76,END:Starts:3893268-3893301-3893119-
 3894207,3894277,71,EXACT,AG-GT
 3895209,3895643,435,EXACT,AG-GT
 3896200,3896280,81,EXACT,AG-GT
 3896637,3896990,354,EXACT,AG-GT
 3897230,3897232,3,START:EXACT
 ID=NCLIV_023820 - 3 A..ATG
 3919181,3919256,76
 3920141,3920918,778
 3921408,3922317,910

CHROMOSOME VIIIb – FORWARD

ID=NCLIV_023850 + 9 A..ATG
 38932,39282,351
 39488,39739,252
 40748,40810,63
 41680,41918,239,EXACT,GT
 42487,42865,379,EXACT,AG-GT
 43317,43436,120,EXACT,AG-GT
 44538,44691,154,EXACT,AG-GT
 45014,45084,71,EXACT,AG-GT
 46211,46285,75,OVER:Ends:46531-46561-46559-
 ID=NCLIV_023860 + 5 A..ATG
 51803,51844,42
 52352,52417,66
 53043,53150,108
 53484,53690,207
 54492,54527,36
 ID=NCLIV_023890 + 2 G..ATGG
 68445,71444,3000
 72033,74720,2688
 ID=NCLIV_023910 + 2 G..ATGG
 94076,95059,984
 95549,103732,8184
 ID=NCLIV_023960 + 7 A..ATG
 148228,148485,258,END:Starts:146909-146907-
 148944,150191,1248,EXACT,AG-GT
 150598,150734,137,EXACT,AG-GT
 151183,151294,112,EXACT,AG-GT
 152088,152242,155,EXACT,AG-GT
 152877,153320,444,EXACT,AG-GT
 153751,156034,2284,START:Ends:156069-153977-156091-
 ID=NCLIV_023970 + 1 [CT]..ATG[ACT]
 159308,159562,255
 ID=NCLIV_023980 + 13 G..ATGG

163520,163543,24
 165229,165690,462
 166007,166792,786
 167454,167600,147,END: start -315 GT
 168016,168135,120,EXACT,AG-GT
 168677,169711,1035,START: end -492 AG
 170002,170163,162
 170684,171150,467
 171898,174025,2128,START: end 3595 Code:INTERNAL-
 174381,176921,2541,OVER: start -2483 and end 699 Code:INTERNAL-
 178581,178724,144,START: end 28 AG
 179310,179527,218,END: start 2 GT (ref:AG-GT)<< Possible error
 179842,180100,259,START:EXACT
 ID=NCLIV_024000 + 14 A..ATG
 183911,183991,81
 184793,184922,130
 184982,185055,74
 185925,186117,193
 186175,186268,94
 186327,186832,506
 187202,187264,63
 187994,188223,230
 188285,188456,172
 188509,188644,136
 188705,189068,364
 189127,189380,254
 189440,189680,241
 190065,190148,84
 ID=NCLIV_0240+ 5 A..ATG
 195093,195352,260,END:Starts:194467-194466-
 196176,196240,65,EXACT,AG-GT
 196803,196969,167,EXACT,AG-GT
 197297,197436,140,EXACT,AG-GT
 198085,198361,277,START:Ends:198680-198653-198603-
 ID=NCLIV_024050 + 6 A..ATG
 209522,210923,1402,END:Starts:204539-201151-
 211501,211652,152,EXACT,AG-GT
 212107,212201,95,EXACT,AG-GT
 212424,212643,220,EXACT,AG-GT
 213175,213262,88,EXACT,AG-GT
 213605,213627,23,START:Ends:213626-216501-217766-
 ID=NCLIV_024080 + 11 A..ATG
 235219,235422,204
 236326,238185,1860,END: start 984 GT
 238666,238751,86,EXACT,ATG:AG-GT
 239065,239194,130,EXACT,AG-GT
 239498,240063,566,START: end 57 Info:AG-GT-AG-GC-
 240607,241464,858,END: start 4 GT
 241836,243593,1758,EXACT,AG
 244114,244541,428,EXACT,GT
 245233,245346,114,EXACT,AG-GT
 245923,246029,107,EXACT,AG-GT
 246382,246516,135,START:EXACT
 ID=NCLIV_024100 + 5 A..ATG
 256136,256713,578,END:Starts:255411-255446-255517-
 257071,257271,201,EXACT,AG-GT
 257443,257517,75,EXACT,AG-GT
 258104,258188,85,EXACT,AG-GT
 258719,258814,96,START:Ends:260837-260854-
 ID=NCLIV_024130 + 9 TCTATGG

276306,278039,1734,OVER:Starts:279964-276026-
 278464,278560,97,OVER: start -2438 and end 2263 GT
 279166,279390,225,OVER: start -3140 and end 1433 GT
 279832,279962,131,OVER: start -3806 and end 861 GT
 280414,280476,63,OVER: start -4388 and end 347 GT
 280944,281015,72,EXACT,AG-GT
 281353,281508,156,EXACT,AG-GT
 282049,282246,198,EXACT,AG-GT
 282666,283160,495,START:Ends:283632-283394-283553-
 ID=NCLIV_024140 + 5 A..ATG
 286145,286257,113,END:EXACT
 286799,287038,240,EXACT,Info:AG-GT-donor=AT-AG-GC-
 287193,287214,22
 287518,287657,140,END: start -1 GT (ref:AG-GT)<< Possible error
 287922,287991,70,START:Ends:288485-288475-288484-
 ID=NCLIV_024160 + 1 GAGATGC
 295391,296080,690
 ID=NCLIV_024170 + 1 GCGATGT
 299903,300871,969
 ID=NCLIV_024180 + 1 G..ATGG
 301781,304615,2835
 ID=NCLIV_024210 + 12 GACATGC
 314160,314226,67,END:Starts:314090-312484-
 315500,315574,75,EXACT,AG-GT
 316082,316317,236,EXACT,AG-GT
 316934,317063,130,EXACT,AG-GT
 317522,317908,387,EXACT,TAGITGAI TAA:AG-GT
 318686,318813,128,EXACT,AG-GT
 319214,319313,100,EXACT,AG-GT
 319818,319943,126,EXACT,AG-GT
 320727,320920,194,EXACT,AG-GT
 321329,321400,72,EXACT,AG-GT
 321546,321625,80,EXACT,AG-GT
 322066,322093,28,START:Ends:322792-322836-322918-
 ID=NCLIV_024230 + 1 A..ATG
 338443,338739,297,OVER:Ends:340171-340149-
 ID=NCLIV_024250 + 2 A..ATG
 354556,354926,371,END:Starts:354258-354267-354266-
 356099,356204,106,START:Ends:356560-356643-356636-
 ID=NCLIV_024280 + 1 A..ATG
 368558,369739,1182
 ID=NCLIV_024300 + 9 A..ATG
 379629,380804,1176,END:Starts:379059-379079-379105-
 381316,381561,246,START: end -1 AG
 381966,382159,194,END: start -3 GT
 382719,382988,270,EXACT,AG-GT
 383532,383752,221,EXACT,GT
 384154,384455,302,START: end 835 AG-GT
 385032,385290,259,END: start -878 AG-GT
 385780,385955,176,EXACT,AG-GT
 386517,386795,279,START:Ends:387271-387279-387212-
 ID=NCLIV_024310 + 1 GGAATGA
 390012,390446,435
 ID=NCLIV_024330 + 14 GATATGT
 402705,404296,1592,END:Starts:401701-400373-402086-
 404698,406535,1838,EXACT,AG-GT
 407389,407598,210
 408224,409859,1636,EXACT,AG-GT
 410194,411682,1489,START: end 48 AG-GC (ref:AG-GT)<< Possible error
 412045,412382,338,START: end -30 AG-GC (ref:AG-GT)<< Possible error

412868,413093,226,EXACT,AG-GT
 413625,413748,124,EXACT,AG-GT
 413927,416598,2672,EXACT,AG-GT
 416848,417252,405,START: end 527 AG-GT
 417382,417713,332,OVER: start -534 and end 66 AG-GT
 418114,418171,58,END: start -2 GT (ref:AG-GT)<< Possible error
 418595,418690,96,EXACT,AG-GT
 418892,419050,159,START:EXACT
 ID=NCLIV_024340 + 5 G..ATGG
 422285,422444,160,END:Starts:421777-421769-421779-
 423035,423133,99,EXACT,AG-GT
 423382,423536,155,EXACT,AG-GT
 424255,424639,385,START: end 1059 AG
 425775,425815,41
 ID=NCLIV_024360 + 6 GAGATGT
 431234,432272,1039,END:Starts:429825-429827-429836-
 432525,432647,123,EXACT,AG-GT
 433157,433418,262,EXACT,AG-GT
 434087,434234,148,START: end 469 AG-GT (ref:AG-GT)<< Possible error
 434605,434703,99,END: start -518 AG-GT (ref:AG-GT)<< Possible error
 434980,435600,621,START:Ends:436356-438771-436359-
 ID=NCLIV_024390 + 4 A..ATG
 451127,451214,88,END:Starts:448582-450406-450450-
 451670,451866,197,END: start -18 AG-GT (ref:AG-GT)<< Possible error
 451974,452250,277,EXACT,AG-GT
 452559,452692,134,START:Ends:452901-452959-452890-
 ID=NCLIV_024400 + 1 [CT]..ATG[ACT]
 455362,458589,3228
 ID=NCLIV_024420 + 3 A..ATG
 465741,466234,494,END:Starts:465341-465290-465279-
 466589,466843,255,EXACT,AG-GT
 467166,467478,313,START:Ends:467881-467900-467821-
 ID=NCLIV_024440 + 9 A..ATG
 484507,484509,3,END:Starts:484400-480112-
 485006,485119,114,EXACT,AG-GT
 485715,485811,97,EXACT,AG-GT
 486043,486238,196,EXACT,AG-GT
 486850,486925,76,OVER: start -3 and end 5 AG
 487240,487396,157,END: start 13 GT (ref:AG-GT)<< Possible error
 488142,488210,69,EXACT,AG-GT
 488701,488827,127,EXACT,AG-GT
 489442,489490,49,START:Ends:490320-490444-490464-
 ID=NCLIV_024450 + 4 A..ATG
 493463,493477,15,END:Starts:492414-492419-492416-
 493844,493953,110,EXACT,AG-GT
 494276,494576,301,EXACT,AG-GT
 495343,495408,66,START:Ends:496148-496886-496100-
 ID=NCLIV_024460 + 10 A..ATG
 499700,499991,292,END:Starts:497998-497815-
 500265,500584,320,EXACT,AG-GT
 500949,501049,101,EXACT,AG-GT
 501309,501437,129,EXACT,AG-GT
 501962,502077,116,EXACT,AG-GT
 502731,502830,100,EXACT,AG-GT
 503312,503456,145,EXACT,AG-GT
 503841,504351,511,EXACT,AG-GT
 505037,505113,77,EXACT,AG-GT
 505401,505592,192,START:Ends:505677-505668-505670-
 ID=NCLIV_024480 + 1 [CT]..ATG[ACT]
 511253,514786,3534

ID=NCLIV_0245+ 9 CTCATGG
 522992,523079,88
 523579,523657,79
 524130,524263,134
 524822,524965,144
 525496,525624,129
 526225,526287,63
 526578,526656,79
 527143,527270,128
 527683,527804,122

ID=NCLIV_024510 + 21 A..ATG
 530423,530535,113,END:Starts:529746-529511-529622-
 531118,531319,202,EXACT,AG-GT
 531620,531859,240,EXACT,AG-GT
 532187,532563,377,START: end 421 AG-GT (ref:AG-GT)<< Possible error
 532756,532984,229,END: start -569 AG-GT (ref:AG-GT)<< Possible error
 533329,533505,177,EXACT,AG-GT
 534017,534334,318,EXACT,AG-GT
 534668,534755,88,EXACT,AG-GT
 535307,535434,128,EXACT,AG-GT
 536011,536079,69,EXACT,AG-GT
 536416,536688,273,EXACT,AG-GT
 536810,536900,91,EXACT,AG-GT
 537173,537438,266,EXACT,AG
 537591,537752,162,END: start 1 GT (ref:AG-GT)<< Possible error
 537866,538032,167,EXACT,AG-GT
 538134,538238,105,EXACT,AG-GT
 538488,538537,50,EXACT,AG-GT
 538635,538702,68,EXACT,AG-GT
 538815,538915,101,EXACT,AG-GT
 539102,539142,41,EXACT,AG-GT
 539247,539308,62,START:Ends:540776-540225-539268-

ID=NCLIV_024540 + 8 GCAATGC
 551055,551186,132,END:Starts:549731-549745-549760-
 551416,551592,177,END: start 28 AG-GT (ref:AG-GT)<< Possible error
 552040,552194,155,EXACT,AG-GT
 552615,552711,97,EXACT,AG-GT
 553296,553378,83,EXACT,ATG:AG-GT
 553677,553767,91,EXACT,AG-GT
 554259,554544,286,EXACT,AG-GT
 554929,555290,362,START:EXACT

ID=NCLIV_024550 + 6 [CT]..ATG[ACT]
 558473,559306,834
 559573,559701,129
 559996,560073,78
 560264,560368,105
 560595,560840,246
 561165,561263,99

ID=NCLIV_024600 + 5 A..ATG
 593772,593834,63,END:Starts:593026-593049-593061-
 594230,594363,134,EXACT,AG-GT
 595468,595558,91,EXACT,AG-GT
 596134,596198,65,START: end -4 AG-GT (ref:AG-GT)<< Possible error
 597402,597525,124,START:Ends:597470-597953-597484-

ID=NCLIV_024620 + 2 A..ATG
 602439,602525,87,END:Starts:602017-602021-602022-
 602849,603625,777,START:Ends:603729-603793-603459-

ID=NCLIV_024650 + 4 TCGATGG
 620314,620629,316,END:Starts:619451-617987-
 620810,620883,74,EXACT,AG-GT

621068,621154,87,EXACT,AG-GT
621426,621653,228,START:Ends:622297-622468-
ID=NCLIV_024660 + 9 GAAATGC
625776,625828,53
626661,627734,1074,END: start -293 GT
628176,628263,88,EXACT,AG-GT
628697,628822,126,START: end 140 AG
629261,629324,64,END: start -83 GT (ref:AG-GT)<< Possible error
630109,630295,187,EXACT,AG-GT
630854,630933,80,START: end 92 Info:donor=AT-AG-GC-AG-GT-
631388,631456,69,END: start -189 GT (ref:AG-GT)<< Possible error
632453,632586,134,START:Ends:633239-633519-633267-
ID=NCLIV_024680 + 3 GCGATGT
647057,647115,59,WITHIN:Ends:647107-647105-647473-
647323,647473,151,END: start -67 AG-GT (ref:AG-GT)<< Possible error
647817,648179,363,START:Ends:648617-648692-648633-
ID=NCLIV_024690 + 1 CAGATGG
652051,654852,2802
ID=NCLIV_024700 + 8 A..ATG
659017,659994,978,END:Starts:658532-658538-
660864,660989,126,EXACT,AG-GT
661336,661621,286,EXACT,AG-GT
661770,661845,76,EXACT,AG-GT
662134,662245,112,EXACT,AG-GT
662652,662856,205,EXACT,GT
663250,663323,74,EXACT,AG-GT
663628,663852,225,START:Ends:664068-671932-
ID=NCLIV_024720 + 10 A..ATG
675940,676259,320,END:Starts:674318-674337-676063-
676705,676838,134,EXACT,AG-GT
677634,677803,170,EXACT,AG-GT
678242,678313,72,EXACT,AG-GT
679189,679266,78,EXACT,AG-GT
679806,679886,81,EXACT,AG-GT
680104,680216,113,EXACT,AG-GT
680731,680811,81,EXACT,AG-GT
681167,683423,2257,EXACT,AG-GT
684310,684843,534,START:Ends:684647-687259-
ID=NCLIV_024760 + 5 A..ATG
710279,710596,318,END:Starts:709109-709660-709201-
710804,710969,166,EXACT,AG-GT
711219,711458,240,START: end 467 AG-GT (ref:AG-GT)<< Possible error
711696,711925,230,END: start -477 AG-GT (ref:AG-GT)<< Possible error
712295,712432,138,START:EXACT
ID=NCLIV_024780 + 6 [CT]..ATG[ACT]
732875,732958,84,END:EXACT
733464,733619,156,EXACT,AG-GT
734191,734257,67,EXACT,AG-GT
734520,734683,164,EXACT,AG-GT
735144,735376,233,EXACT,AG-GT
735871,736078,208,START:Ends:736598-736602-736597-
ID=NCLIV_024800 + 1 A..ATG
741720,742259,540
ID=NCLIV_024820 + 4 A..ATG
758937,759015,79,END:Starts:758262-758513-758734-
760124,760419,296,EXACT,AG-GT
760766,761050,285,EXACT,AG-GT
761311,761451,141,START:Ends:762208-762301-762274-
ID=NCLIV_024830 + 1 A..ATG
769041,769460,420

ID=NCLIV_024840 + 7 A..ATG
774019,774723,705,END:Starts:772416-772407-772450-
775399,775491,93,START: end 115 AG
775964,776110,147,EXACT,AG-GT
776567,776668,102,EXACT,AG-GT
776897,776969,73,EXACT,AG-GT
777329,777564,236,EXACT,AG-GT
778004,778057,54,START:Ends:778579-778492-778026-

ID=NCLIV_024880 + 3 A..ATG
799494,799547,54,END:EXACT
799947,800193,247,EXACT,AG-GT
800637,800782,146,START:Ends:800950-801017-801065-

ID=NCLIV_024890 + 1 A..ATG
801849,802118,270

ID=NCLIV_024900 + 1 [CT]..ATG[ACT]
802514,802693,180

ID=NCLIV_024910 + 14 A..ATG
803851,803971,121
804030,804071,42
804128,804200,73
804263,804276,14
804336,804383,48
804445,804453,9
804509,804654,146
804705,804835,131
804893,804912,20
804966,804995,30
805049,805111,63
805165,805258,94
805316,805397,82
805452,805733,282

ID=NCLIV_024920 + 8 A..ATG
807745,809023,1279,END:Starts:805455-807132-807236-
809257,809731,475,START: end -2 AG
810192,810356,165,END: start 3 GT (ref:AG-GT)<< Possible error
810857,810983,127,EXACT,AG-GT
811504,811756,253,EXACT,AG-GT
812119,812648,530,EXACT,AG-GT
813104,813324,221,EXACT,AG-GT
813958,816721,2764,START:Ends:818017-819254-820626-

ID=NCLIV_024940 + 5 A..ATG
827896,828120,225,END:Starts:827562-827516-
828391,828686,296,EXACT,AG-GT
829094,829186,93,END: start 20 GT
829556,829642,87,EXACT,AG-GT
830185,830332,148,START:Ends:830787-830899-

ID=NCLIV_024960 + 7 A..ATG
839736,839867,132,END:Starts:839284-839074-
840303,840329,27,START: end -5 AG
840467,840625,159,END: start 1 GT (ref:AG-GT)<< Possible error
840886,840990,105,EXACT,ATG:AG-GT
841217,841376,160,EXACT,AG-GT
841855,842008,154,EXACT,AG-GT
842365,842821,457,START:Ends:843200-843201-843150-

ID=NCLIV_024970 + 7 A..ATG
845368,846317,950,END:Starts:844927-844952-
846449,846693,245,EXACT,AG-GT
846923,847017,95,EXACT,AG-GT
847221,847301,81,EXACT,AG-GT
847415,847597,183,EXACT,AG-GT

847708,847845,138,START: end -1 AG
847967,848299,333,END:Starts:847968-847964-847708-
ID=NCLIV_024980 + 18 GAAATGA
850656,851012,357
851067,851118,52
851183,851280,98
851333,851391,59
851446,851483,38
851535,851659,125
851721,851773,53
851832,851847,16
851906,851975,70
852039,852045,7
852105,852201,97
852257,852343,87
852408,852494,87
852554,852595,42
852654,852740,87
852800,852816,17
852889,852902,14
852961,853061,101
ID=NCLIV_025000 + 11 A..ATG
866344,867248,905,END:Starts:864722-865881-
867656,867742,87,EXACT,AG-GT
868225,868357,133,EXACT,AG-GT
868783,868889,107,EXACT,AG-GT
869602,869834,233,EXACT,AG-GT
870434,871501,1068,EXACT,AG-GT
872031,872061,31,EXACT,ATG:AG-GT
872330,872432,103,EXACT,AG-GT
873131,873241,111,EXACT,AG-GT
873631,873732,102,EXACT,AG-GT
874097,874354,258,START:Ends:875391-875344-
ID=NCLIV_025020 + 3 A..ATG
881406,884439,3034
885003,887100,2098
887402,889124,1723
ID=NCLIV_0250+ 7 A..ATG
913637,913739,103,END:Starts:912437-912636-912662-
913962,914000,39,EXACT,AG-GT
914624,914705,82,EXACT,AG-GT
915626,915737,112,EXACT,AG-GT
915878,915955,78,END: start -4 GT (ref:AG-GT)<< Possible error
916133,916233,101,EXACT,AG-GT
916700,916727,28,START:Ends:917087-917118-917163-
ID=NCLIV_025060 + 7 [CT]..ATG[ACT]
927164,928913,1750
929559,931561,2003
931897,937064,5168
937576,939141,1566
939456,941135,1680
941841,946966,5126
947613,948580,968
ID=NCLIV_025100 + 6 A..ATG
973254,974085,832
974552,974588,37
975084,975871,788
976402,977271,870
977897,978216,320
978909,979037,129

ID=NCLIV_025140 + 2 [CT]..ATG[ACT]
 1000344,1001420,1077,END:Starts:998058-1000064-1000017-
 1001773,1002222,450,START:Ends:1002853-1004044-1004156-
 ID=NCLIV_025160 + 3 G..ATGG
 1014706,1014716,11,END:EXACT
 1015467,1015703,237,EXACT,AG-GT
 1016258,1016450,193,START:Ends:1016707-1016720-
 ID=NCLIV_025190 + 3 A..ATG
 1033033,1033062,30,END:Starts:1032864-1032871-1032873-
 1034252,1034608,357,EXACT,AG-GT
 1035077,1035241,165,START:EXACT
 ID=NCLIV_025210 + 7 [CT]..ATG[ACT]
 1043511,1046285,2775,END:Starts:1042464-1042649-1043139-
 1046824,1046930,107,EXACT,AG-GT
 1047475,1047699,225,EXACT,AG-GT
 1048092,1048270,179,EXACT,AG-GT
 1048848,1048954,107,EXACT,AG-GT
 1049281,1049373,93,EXACT,AG-GT
 1049666,1049737,72,START:Ends:1050006-1050000-
 ID=NCLIV_025220 + 4 A..ATG
 1051441,1051724,284,END:Starts:1051243-1051244-1051225-
 1052378,1052475,98,EXACT,AG-GT
 1052864,1052970,107,EXACT,AG-GT
 1053136,1053261,126,START:Ends:1053738-1053832-1053744-
 ID=NCLIV_025240 + 6 A..ATG
 1059964,1059972,9,END:Starts:1058650-1059385-1059687-
 1060519,1060566,48,EXACT,AG-GT
 1060694,1060904,211,EXACT,AG-GT
 1061160,1061421,262,START: end -195 AG-GT
 1062179,1062379,201,EXACT,AG-GT
 1062577,1062730,154,START:Ends:1062604-1062593-1062612-
 ID=NCLIV_025250 + 10 [CT]..ATG[ACT]
 1070151,1070466,316,END:Starts:1069301-1069312-
 1070765,1071291,527,EXACT,AG-GT
 1071776,1071920,145,EXACT,AG-GT
 1072247,1072345,99,EXACT,AG-GT
 1072728,1072878,151,EXACT,AG-GT
 1073389,1073523,135,START: end -7 AG
 1073778,1073881,104,END: start 1 GT (ref:AG-GT)<< Possible error
 1074241,1074382,142,EXACT,AG-GT
 1074756,1074928,173,EXACT,AG-GT
 1075338,1075477,140,START:Ends:1076568-1076688-1076178-
 ID=NCLIV_025280 + 2 A..ATG
 1098398,1098476,79,END:Starts:1097924-1097922-1097898-
 1099055,1099860,806,START:Ends:1100632-1100660-
 ID=NCLIV_025310 + 14 A..ATG
 1122774,1122784,11
 1123184,1123245,62,EXACT,AG-GT
 1123584,1123632,49,EXACT,AG-GT
 1124104,1124237,134,EXACT,AG-GT
 1124817,1124892,76,EXACT,AG-GT
 1125149,1125274,126,EXACT,AG-GT
 1125962,1126048,87,EXACT,AG-GT
 1129280,1129517,238,START: end 720 AG-GT (ref:AG-GT)<< Possible error
 1130154,1130237,84,END: start -874 AG-GT (ref:AG-GT)<< Possible error
 1130574,1130683,110,EXACT,AG-GT
 1131248,1131431,184,EXACT,AG-GT
 1132050,1132103,54,EXACT,AG-GT
 1132254,1132441,188,EXACT,AG-GT
 1133076,1133133,58

ID=NCLIV_0253+ 2 GTGATGC
1140659,1141729,1071
1142240,1143061,822

ID=NCLIV_025350 + 3 A..ATG
1149785,1149787,3,END:Starts:1149015-1148845-1149088-
1150503,1150688,186,EXACT,AG-GT
1150816,1150938,123,START:Ends:1151007-1151028-1151057-

ID=NCLIV_025360 + 2 A..ATG
1152323,1152389,67
1152570,1153168,599

ID=NCLIV_025370 + 7 A..ATG
1154805,1158275,3471,END:Starts:1154040-1158225-
1158574,1158996,423,END: start 165 GT
1159419,1161671,2253,END: start 1235 GT (ref:AG-GT)<< Possible error
1161977,1162246,270,EXACT,AG-GT
1162585,1162782,198,EXACT,AG-GT
1162979,1163517,539,EXACT,AG-GT
1164288,1164711,424,START:Ends:1165048-1164968-1165001-

ID=NCLIV_025400 + 11 A..ATG
1185524,1186864,1341,WITHIN:Starts:1185828-1186215-
1187376,1187447,72,END: start -30 AG-GT
1187914,1188212,299,START: end 44 AG
1188465,1188697,233
1189040,1189665,626
1190032,1190574,543
1191037,1191306,270
1191870,1192022,153
1192532,1192606,75,END: start -5 GT
1193121,1193255,135,EXACT,AG-GT
1193912,1194049,138

ID=NCLIV_025420 + 17 A..ATG
1211611,1211734,124,END:Starts:1210498-1210487-1211034-
1212145,1212279,135,EXACT,AG-GT
1212848,1212956,109,EXACT,AG-GT
1213293,1213384,92,EXACT,AG-GT
1213911,1213978,68,EXACT,AG-GT
1214187,1214705,519,EXACT,AG-GT
1215307,1215599,293,EXACT,AG-GT
1216316,1216439,124,START: end 673 AG
1216722,1217115,394
1217421,1217625,205,EXACT,AG-GT
1218051,1218179,129,EXACT,AG-GT
1218907,1221385,2479,EXACT,AG-GT
1221642,1221748,107,EXACT,AG-GT
1222132,1222247,116,EXACT,AG-GT
1223102,1223244,143,EXACT,AG-GT
1224148,1224248,101,EXACT,AG-GT
1224945,1225011,67,START:Ends:1227166-1227124-1227083-

ID=NCLIV_025440 + 12 G..ATGG
1241009,1241313,305
1241767,1243058,1292,END: start -166 GT (ref:AG-GT)<< Possible error
1243496,1244945,1450,EXACT,AG-GT
1245308,1245407,100,EXACT,AG-GT
1245618,1245822,205,END: start 153 AG-GT (ref:AG-GT)<< Possible error
1246252,1246333,82,EXACT,AG-GT
1246538,1247063,526,EXACT,AG-GT
1247480,1247565,86,EXACT,AG-GT
1247954,1248072,119,EXACT,AG-GT
1248333,1248391,59,EXACT,AG-GT
1248790,1248987,198,EXACT,AG-GT

1249380,1249403,24,START:Ends:1250380-1251344-1252974-
ID=NCLIV_025470 + 2 A..ATG
1261792,1262136,345
1262450,1262773,324
ID=NCLIV_025490 + 9 A..ATG
1275145,1275428,284,END:Starts:1274296-1274293-1274555-
1275799,1275877,79,EXACT,AG-GT
1276527,1276619,93,EXACT,AG-GT
1276885,1277174,290,EXACT,AG-GT
1277616,1277701,86,EXACT,AG-GT
1278071,1278299,229,EXACT,AG-GT
1278423,1278466,44,EXACT,AG-GT
1279399,1279600,202
1279653,1279689,37,START:Ends:1280025-1280011-1280022-
ID=NCLIV_025510 + 9 A..ATG
1293045,1293173,129,END:Starts:1290704-1290853-1292284-
1293817,1293881,65,START: end -14 AG
1294208,1295327,1120,END: start -1 GT (ref:AG-GT)<< Possible error
1295682,1295942,261,EXACT,AG-GT
1296300,1296446,147,EXACT,AG-GT
1296901,1296968,68,EXACT,AG-GT
1297234,1297333,100,EXACT,ATG:AG-GT
1297860,1297917,58,EXACT,AG-GT
1298247,1299841,1595,START:Ends:1300281-1300284-1300314-
ID=NCLIV_025520 + 6 A..ATG
1301680,1301727,48
1301853,1301907,55
1302484,1302659,176
1302736,1303596,861
1304154,1304379,226
1304707,1305203,497
ID=NCLIV_025540 + 14 A..ATG
1311526,1311622,97
1311683,1311845,163
1311894,1311915,22
1312028,1312097,70
1312162,1312191,30
1312254,1312301,48
1312358,1312390,33
1312442,1312487,46
1312540,1312616,77
1312685,1312703,19
1312764,1312796,33
1312851,1312951,101
1313015,1313082,68
1313140,1313214,75
ID=NCLIV_025550 + 2 A..ATG
1314584,1316193,1610,END:Starts:1314150-1314133-1315889-
1316917,1317301,385,START:Ends:1317295-1317312-1317317-
ID=NCLIV_025570 + 8 CAAATGG
1327724,1328684,961,END:Starts:1326804-1326859-1328020-
1329198,1329831,634,START: end 199 AG
1330243,1330339,97
1331056,1331215,160
1331896,1332236,341
1332525,1332852,328,END: start 41 GT (ref:AG-GT)<< Possible error
1333181,1333379,199,EXACT,AG
1333491,1333752,262
ID=NCLIV_025580 + 2 A..ATG
1337690,1338061,372,END:Starts:1337121-1337201-1337143-

1338811,1339254,444,START:Ends:1339535-1339555-1339497-
 ID=NCLIV_025600 + 4 A..ATG
 1351176,1351187,12,END:Starts:1350645-1350634-
 1351434,1351531,98,EXACT,AG-GT
 1352297,1352426,130,EXACT,AG-GT
 1352872,1353060,189,START:Ends:1355056-1354997-1355057-
 ID=NCLIV_025630 + 8 A..ATG
 1370652,1370828,177,END:Starts:1369269-1369255-
 1371281,1371380,100,EXACT,AG-GT
 1371654,1371868,215,EXACT,AG-GT
 1372198,1372343,146,EXACT,AG-GT
 1372923,1373385,463,EXACT,AG-GT
 1373808,1374006,199,EXACT,AG-GT
 1374487,1374549,63,EXACT,AG-GT
 1375113,1375210,98,START:EXACT
 ID=NCLIV_025640 + 2 CAAATGG
 1377543,1378360,818,OVER:EXACT
 1378717,1379950,1234,START:Ends:1380954-1378779-1387207-
 ID=NCLIV_025650 + 1 A..ATG
 1382577,1386062,3486
 ID=NCLIV_025680 + 8 CCCATGG
 1412726,1413355,630,OVER:Starts:1413977-1411277-1411101-
 1413977,1414070,94,END: start -2700 GT (ref:AG-GT)<< Possible error
 1414348,1414497,150,EXACT,AG-GT
 1415112,1415238,127,START: end 76 AG-GT
 1415296,1415314,19,END: start -184 AG-GT
 1415571,1415972,402,EXACT,AG-GT
 1416327,1417194,868,EXACT,AG-GT
 1417663,1417856,194,START:Ends:1419524-1421823-1422110-
 ID=NCLIV_025700 + 2 A..ATG
 1440238,1442563,2326,END:Starts:1441965-1442214-
 1443059,1444863,1805,START:Ends:1449007-1449124-
 ID=NCLIV_025720 + 9 TCAATGG
 1453358,1453383,26
 1453895,1454025,131
 1454243,1454733,491
 1455616,1455687,72
 1455787,1455872,86
 1456226,1456306,81,EXACT,GT
 1456577,1456704,128,START: end 702 AG-GT (ref:AG-GT)<< Possible error
 1457192,1457406,215,END: start -615 AG-GT (ref:AG-GT)<< Possible error
 1457950,1458222,273,START:Ends:1459188-1459197-1459187-
 ID=NCLIV_025750 + 1 A..ATG
 1480319,1486048,5730
 ID=NCLIV_025770 + 7 A..ATG
 1496094,1496130,37,END:Starts:1494936-1495072-
 1496576,1496645,70,EXACT,AG-GT
 1496977,1497127,151,EXACT,AG-GT
 1497245,1497356,112,EXACT,AG-GT
 1497584,1497726,143,EXACT,AG-GT
 1497949,1497990,42,EXACT,AG-GT
 1498218,1498334,117,START:Ends:1500634-1499165-1498968-
 ID=NCLIV_025780 + 2 GCGATGA
 1499193,1499546,354
 1499600,1499668,69
 ID=NCLIV_025810 + 3 A..ATG
 1518468,1519726,1259
 1520258,1520336,79
 1520530,1520583,54
 ID=NCLIV_025860 + 6 A..ATG

1542803,1542945,143
 1543011,1543041,31
 1543096,1543171,76
 1543235,1543295,61
 1543352,1543423,72
 1543476,1543587,112
 ID=NCLIV_025880 + 5 CACATGG
 1550168,1550332,165
 1550385,1550467,83,END: start -18 AG-GT
 1550813,1551539,727,END: start 216 GT
 1552037,1555015,2979,EXACT,AG-GT
 1555400,1555558,159,START:Ends:1555823-1556051-1555791-
 ID=NCLIV_025890 + 12 A..ATG
 1558480,1558828,349,END:Starts:1557759-1557792-
 1559445,1559653,209,START: end 67 AG-GC
 1560411,1560571,161,EXACT,AG-GT
 1561237,1561579,343,EXACT,AG-GT
 1562131,1562301,171,START: end 179 AG
 1562588,1562658,71,END: start 12 GT
 1562850,1563009,160,START: end -7 AG
 1563452,1563560,109,END: start 1 GT (ref:AG-GT)<< Possible error
 1563894,1563964,71,EXACT,AG-GT
 1564900,1565012,113,EXACT,AG-GT
 1565258,1565366,109,EXACT,AG-GT
 1565785,1565973,189,START:Ends:1566315-1566316-1566298-
 ID=NCLIV_025900 + 5 A..ATG
 1568510,1568650,141,END:Starts:1567870-1567970-1567971-
 1568900,1568998,99,EXACT,AG-GT
 1569591,1569698,108,EXACT,AG-GT
 1570221,1570319,99,EXACT,AG-GT
 1570705,1570833,129,START:Ends:1571138-1571623-1571061-
 ID=NCLIV_025920 + 5 A..ATG
 1575792,1575797,6
 1576675,1576853,179,EXACT,AG-GT
 1577247,1577619,373,EXACT,AG-GT
 1577858,1577953,96,EXACT,AG-GT
 1578448,1578627,180,START:Ends:1578672-1578687-1578683-
 ID=NCLIV_025940 + 2 CTCATGG
 1585114,1585366,253,END:Starts:1584698-1584739-1584826-
 1585537,1585673,137,START:Ends:1586383-1586392-1586391-
 ID=NCLIV_025980 + 2 A..ATG
 1607477,1607526,50
 1607828,1608380,553
 ID=NCLIV_026000 + 7 GCGATGC
 1620381,1620506,126,END:EXACT
 1620862,1621367,506,EXACT,AG-GT
 1621627,1626767,5141,EXACT,AG-GT
 1627239,1627770,532,EXACT,AG-GT
 1628055,1628139,85,EXACT,AG-GT
 1628654,1628729,76,EXACT,AG-GT
 1628971,1629191,221,START:EXACT
 ID=NCLIV_026020 + 2 A..ATG
 1638345,1638716,372,END:Starts:1637910-1637926-1637966-
 1639381,1639695,315,START:Ends:1640186-1641692-1641741-
 ID=NCLIV_026060 + 2 GTGATGA
 1660679,1660761,83
 1660888,1661635,748
 ID=NCLIV_0260+ 10 A..ATG
 1666148,1666177,30,END:Starts:1663915-1664470-1664481-
 1666534,1666612,79,EXACT,AG-GT

1667091,1667176,86,EXACT,AG-GT
 1667496,1667595,100,START: end 358 AG-GT
 1667880,1667953,74,END: start -384 AG-GT
 1668138,1668192,55,EXACT,AG-GT
 1668363,1668488,126,EXACT,ATG:AG-GT
 1668945,1669011,67,EXACT,AG-GT
 1669231,1669378,148,EXACT,AG-GT
 1670889,1670948,60,START:Ends:1671731-1671897-1671803-
 ID=NCLIV_026090 + 6 G..ATGG
 1680408,1681404,997,END:EXACT
 1681856,1681906,51,EXACT,AG-GT
 1682587,1682675,89,EXACT,AG-GT
 1683055,1683134,80,EXACT,AG-GT
 1683469,1683526,58,EXACT,AG-GT
 1683818,1683877,60,START:Ends:1683896-1685923-1687869-
 ID=NCLIV_026150 + 1 G..ATGG
 1722899,1723309,411,OVER:EXACT
 ID=NCLIV_026180 + 11 A..ATG
 1745532,1745663,132,END:Starts:1744547-1744569-1744606-
 1746143,1746487,345,EXACT,AG-GT
 1747037,1747141,105,START: end -13 AG
 1747677,1747964,288,END: start -4 GT (ref:AG-GT)<< Possible error
 1748466,1748550,85,EXACT,AG-GT
 1748960,1748993,34,EXACT,AG-GT
 1749158,1749262,105,EXACT,AG-GT
 1749699,1749744,46,EXACT,AG-GT
 1750302,1750379,78,EXACT,AG-GT
 1750859,1750998,140,EXACT,AG-GT
 1751538,1751643,106,START:Ends:1752505-1752536-1752259-
 ID=NCLIV_026200 + 18 GAAATGC
 1765249,1765516,268,END:EXACT
 1765821,1766291,471,EXACT,AG-GT
 1766672,1766992,321,START: end -13 AG
 1767401,1767649,249,END: start 17 AG-GT (ref:AG-GT)<< Possible error
 1768463,1768678,216,EXACT,AG-GT
 1769036,1769419,384,EXACT,AG-GT
 1770242,1770631,390,EXACT,AG-GT
 1770946,1771192,247,EXACT,AG-GT
 1771996,1772992,997,EXACT,AG-GT
 1773529,1774285,757,EXACT,AG-GT
 1774921,1775029,109,EXACT,AG-GT
 1775664,1776275,612,EXACT,AG-GT
 1776989,1777205,217,EXACT,AG-GT
 1777949,1778453,505,EXACT,AG-GT
 1778730,1780353,1624,EXACT,AG-GT
 1780767,1780839,73,EXACT,AG-GT
 1781437,1782860,1424,EXACT,ATG:AG-GT
 1783294,1783432,139,START:Ends:1784164-1784229-
 ID=NCLIV_026210 + 1 A..ATG
 1786932,1787987,1056
 ID=NCLIV_026230 + 22 [CT]..ATG[ACT]
 1795075,1795381,307,END:Starts:1794428-1794425-
 1795788,1795912,125,START: end -7 AG
 1796447,1796554,108,END: start 16 GT
 1796890,1796977,88,EXACT,AG-GT
 1797124,1797272,149,START: end -8 AG
 1797988,1798089,102,END: start -166 GT
 1798472,1798709,238,EXACT,AG-GT
 1798961,1799362,402,EXACT,AG-GT
 1799751,1799830,80

1800608,1800688,81,END: start -3 GT
 1801297,1801576,280,START: end -207 AG-GC
 1801679,1801878,200,EXACT,AG-GT
 1802619,1802661,43,START: end -6 AG
 1803166,1803274,109,END: start -3 GT
 1803631,1803783,153,EXACT,TAG|TGA|TAA:AG-GT
 1804536,1804872,337,EXACT,AG-GT
 1805141,1805298,158,EXACT,AG-GT
 1805729,1805834,106,EXACT,AG-GT
 1806201,1806452,252,EXACT,AG-GT
 1807142,1807325,184,EXACT,AG-GT
 1807857,1807995,139,START: end 620 AG
 1808311,1808365,55,OVER:Ends:1808642-1807988-1808615-
 ID=NCLIV_026250 + 11 [CT]..ATG[ACT]
 1814963,1815068,106,OVER:Starts:1814583-1814585-
 1815726,1815883,158,END: start -1141 GT
 1816336,1816380,45,START: end -18 AG
 1816951,1817020,70
 1817230,1817416,187
 1817866,1818046,181
 1818591,1818677,87
 1818978,1819031,54
 1819387,1819471,85
 1819961,1820385,425
 1820654,1821241,588
 ID=NCLIV_026280 + 11 A..ATG
 1875164,1875439,276
 1875983,1876118,136,END: start -40 GT
 1876732,1876859,128,EXACT,AG-GT
 1877409,1877592,184,EXACT,AG-GT
 1878061,1878239,179,EXACT,AG-GT
 1878873,1879091,219,EXACT,AG-GT
 1879557,1879916,360,EXACT,AG-GT
 1880700,1880988,289,START: end -2 AG
 1881445,1881670,226,END: start -179 GT (ref:AG-GT)<< Possible error
 1882247,1882403,157,EXACT,AG-GT
 1883070,1883684,615,START:Ends:1884293-1884781-1884341-
 ID=NCLIV_026290 + 2 G..ATGG
 1886236,1886542,307,END:Starts:1885422-1885840-1885445-
 1886920,1887158,239,START:Ends:1887556-1887584-1888846-
 ID=NCLIV_0263+ 1 A..ATG
 1897022,1897327,306
 ID=NCLIV_026320 + 6 CAGATGG
 1898763,1900103,1341
 1900833,1901222,390
 1901772,1902170,399
 1902467,1902580,114
 1902732,1903905,1174
 1904392,1904471,80
 ID=NCLIV_026330 + 8 GAAATGT
 1909532,1910728,1197
 1911311,1911373,63
 1911872,1911932,61
 1912181,1912326,146
 1912855,1912922,68
 1913477,1913576,100
 1913993,1914096,104
 1914943,1916839,1897
 ID=NCLIV_026360 + 3 GACATGC
 1937361,1939462,2102

1940270,1941314,1045
1941851,1941997,147
ID=NCLIV_026370 + 10 A..ATG
1945474,1945589,116,END:Starts:1944746-1944750-1944790-
1946275,1946400,126,EXACT,AG-GT
1946977,1947051,75,EXACT,AG-GT
1947539,1947692,154,EXACT,AG-GT
1947996,1948076,81,EXACT,AG-GT
1948442,1948605,164,EXACT,AG-GT
1949186,1949314,129,EXACT,AG-GT
1950754,1950879,126,EXACT,AG-GT
1951191,1951286,96,EXACT,AG-GT
1951779,1951947,169,START:Ends:1952350-1952361-1952358-
ID=NCLIV_026380 + 12 G..ATGG
1954814,1954886,73,END:Starts:1953954-1953974-1954570-
1955606,1955778,173,EXACT,AG-GT
1956051,1956194,144,EXACT,AG-GT
1956807,1956889,83,EXACT,AG-GT
1957335,1957443,109,EXACT,AG-GT
1957955,1958029,75,EXACT,AG-GT
1958299,1958363,65,EXACT,AG-GT
1958925,1959407,483,EXACT,AG-GT
1959599,1959651,53,EXACT,AG-GT
1959931,1960023,93,EXACT,TAG|TGA|TAA:AG-GT
1960494,1960634,141,EXACT,AG-GT
1961001,1961059,59,START:Ends:1961533-1961570-1961650-
ID=NCLIV_026400 + 11 TCAATGG
1968174,1968223,50,END:Starts:1967026-1967056-
1968732,1968943,212,START: end 655 AG-GT
1969356,1969598,243,END: start -285 AG-GT
1970128,1970383,256,START: end 897 AG
1973445,1974100,656
1974464,1975790,1327
1976299,1976383,85
1976945,1977002,58
1977495,1977601,107
1978387,1978915,529
1980082,1980185,104
ID=NCLIV_026410 + 5 [CT]..ATG[ACT]
1982509,1983053,545,END:Starts:1982434-1982442-
1983340,1983388,49,EXACT,Info:AG-GC-AG-GT-
1984472,1984662,191
1984995,1985051,57
1985588,1985648,61
ID=NCLIV_026450 + 8 A..ATG
2014496,2014531,36
2014981,2015094,114,EXACT,GT
2015687,2015810,124,EXACT,AG-GT
2016150,2016215,66,EXACT,ATG:AG-GT
2016791,2017200,410,EXACT,AG-GT
2017608,2017726,119,START: end -9 AG
2017966,2018079,114,END: start 14 GT (ref:AG-GT)<< Possible error
2018472,2018583,112,START:EXACT
ID=NCLIV_026460 + 10 A..ATG
2021645,2022093,449,END:Starts:2021340-2021329-2021351-
2022690,2023279,590,EXACT,AG-GT
2023745,2025188,1444,EXACT,AG-GT
2025751,2026112,362,EXACT,AG-GT
2026394,2027112,719,EXACT,AG-GT
2027564,2027800,237,EXACT,AG

2028205,2028303,99,END: start 9 GT (ref:AG-GT)<< Possible error
 2028586,2028672,87,EXACT,AG-GT
 2028982,2029087,106,EXACT,AG-GT
 2029477,2029997,521,START:Ends:2032289-2033147-2032317-
 ID=NCLIV_026470 + 7 A..ATG
 2035184,2035333,150,END:Starts:2034420-2035144-
 2035805,2035946,142,EXACT,AG-GT
 2036243,2036289,47,EXACT,AG-GT
 2036877,2036933,57,EXACT,AG
 2037221,2037310,90,EXACT,GT
 2037495,2037553,59,EXACT,AG-GT
 2037957,2042184,4228,START:Ends:2043499-2044377-
 ID=NCLIV_026500 + 6 A..ATG
 2060557,2060919,363,END:Starts:2055795-2060191-
 2061804,2062199,396,START: end 228 AG-GT (ref:AG-GT)<< Possible error
 2062707,2062908,202,START: end 551 AG-GT (ref:AG-GT)<< Possible error
 2063242,2063378,137,OVER: start -535 and end 81 AG-GT (ref:AG-GT)<< Possible error
 2063632,2063729,98,EXACT,AG-GT
 2064172,2064364,193,OVER:Ends:2063940-2065574-2065390-
 ID=NCLIV_026510 + 8 CTCATGG
 2068998,2069077,80
 2069770,2069927,158
 2070230,2070309,80
 2072083,2072115,33
 2072836,2072892,57
 2073407,2073439,33
 2074075,2074465,391
 2075017,2075345,329
 ID=NCLIV_026540 + 4 A..ATG
 2092130,2092166,37,END:Starts:2091535-2091950-2091799-
 2093090,2093327,238,EXACT,AG-GT
 2093679,2093931,253,EXACT,AG
 2094408,2094677,270,START:EXACT
 ID=NCLIV_026550 + 2 A..ATG
 2099228,2100143,916
 2100552,2104633,4082
 ID=NCLIV_026560 + 18 CACATGG
 2112526,2112638,113
 2113004,2113141,138
 2113683,2113766,84
 2114968,2115154,187
 2115628,2115721,94
 2116319,2116439,121
 2116812,2116933,122
 2117036,2117195,160
 2117657,2117924,268
 2118421,2118631,211
 2119018,2119180,163
 2119540,2119996,457
 2120277,2120542,266
 2120914,2121153,240
 2121337,2121478,142
 2121932,2122021,90
 2122393,2122683,291
 2123198,2123581,384
 ID=NCLIV_026590 + 5 TCCATGG
 2152001,2156833,4833
 2157082,2157257,176
 2157702,2157886,185
 2158092,2158176,85,END: start 52 AG-GT

2158269,2158416,148
 ID=NCLIV_026610 + 1 [CT]..ATG[ACT]
 2166447,2166719,273
 ID=NCLIV_026620 + 13 [CT]..ATG[ACT]
 2167368,2167401,34,END:EXACT
 2167904,2167984,81,EXACT,AG-GT
 2168375,2168492,118,END: start 35 Info:AG-GC-AG-GT-
 2169404,2169539,136
 2170149,2170233,85
 2170607,2170655,49
 2171209,2171338,130,EXACT,GT
 2172019,2172090,72,EXACT,AG-GT
 2172587,2172709,123
 2173182,2173266,85,END: start 13 GT
 2173939,2173995,57,EXACT,AG-GT
 2174544,2174674,131,EXACT,AG-GT
 2175221,2175304,84,START:Ends:2175956-2177708-2177760-
 ID=NCLIV_026640 + 16 GAGATGA
 2188358,2188385,28,END:EXACT
 2188684,2188753,70,EXACT,AG-GT
 2189180,2189270,91,EXACT,AG
 2189794,2189890,97
 2190432,2190465,34
 2190800,2190853,54
 2191592,2191709,118,END: start -3 GT
 2192101,2192177,77,EXACT,AG-GT
 2192576,2193012,437,START: end -22 AG
 2193288,2193889,602,END: start -35 GT
 2194085,2194255,171,END: start 36 AG-GT
 2194470,2194895,426,EXACT,AG-GT
 2195343,2195456,114,EXACT,AG-GT
 2196024,2196178,155,EXACT,AG-GT
 2196580,2196675,96,EXACT,AG-GT
 2196945,2197080,136,START:Ends:2197603-2197584-
 ID=NCLIV_026650 + 1 A..ATG
 2199323,2200081,759
 ID=NCLIV_026700 + 1 [CT]..ATG[ACT]
 2235958,2236485,528
 ID=NCLIV_026710 + 7 A..ATG
 2238079,2239899,1821,END:EXACT
 2240442,2241008,567,EXACT,AG-GT
 2241745,2241879,135,EXACT,AG-GT
 2242292,2242455,164,START: end -1 AG
 2242756,2242841,86,END: start -40 GT (ref:AG-GT)<< Possible error
 2243089,2243324,236,EXACT,Info:AG-GC-donor=AA-AG-GT-
 2243559,2243603,45
 ID=NCLIV_026740 + 19 CCGATGG
 2283988,2284551,564
 2284788,2285012,225,END: start 87 GT
 2285937,2286028,92,END: start -444 AG
 2286470,2286874,405
 2287303,2287565,263,START: end -216 AG
 2287802,2288441,640
 2288990,2290552,1563
 2291104,2291170,67
 2291611,2292090,480
 2292454,2293052,599
 2293420,2293492,73,EXACT,GT
 2294020,2294550,531,EXACT,AG-GT
 2294799,2295040,242,START: end -24 AG-GT

2295574,2295658,85,END: start -2 GT
2295965,2296093,129,EXACT,AG-GT
2296571,2296629,59,EXACT,AG
2297395,2297749,355
2298033,2298136,104
2298793,2298934,142
ID=NCLIV_026760 + 3 [CT]..ATG[ACT]
2315267,2315324,58,OVER:Starts:2315238-2315772-2313958-
2315782,2315837,56,END: start -544 GT (ref:AG-GT)<< Possible error
2316128,2317990,1863,START:Ends:2318839-2318996-2318846-
ID=NCLIV_026770 + 8 [CT]..ATG[ACT]
2321338,2321509,172
2322279,2322430,152
2322872,2323003,132
2323520,2323684,165,END: start 3 GT
2324173,2324326,154,EXACT,AG-GT
2324794,2325106,313,EXACT,AG-GT
2325655,2325994,340,OVER: start -263 and end 59 AG
2326324,2326590,267
ID=NCLIV_026790 + 13 GCTATGT
2334918,2335006,89
2336314,2336701,388,END: start -1362 GT
2337162,2337347,186,EXACT,AG
2337824,2337889,66
2338395,2338601,207
2339472,2339527,56
2339835,2339917,83
2340451,2340610,160
2341376,2341520,145
2341843,2342036,194
2342517,2342621,105,END: start 56 GT
2342924,2343127,204,EXACT,AG-GT
2343731,2344367,637,START:Ends:2343899-2347036-
ID=NCLIV_026810 + 6 A..ATG
2354067,2354157,91
2354329,2354816,488
2354954,2355032,79
2355367,2355839,473,END: start -108 GT
2355943,2356021,79,EXACT,AG
2356131,2356219,89
ID=NCLIV_026840 + 3 A..ATG
2369544,2369666,123,END:Starts:2369065-2369036-
2369839,2370772,934,START: end 74 AG
2371264,2372762,1499
ID=NCLIV_026880 + 1 TCAATGG
2401211,2401798,588
ID=NCLIV_026890 + 3 A..ATG
2405169,2405424,256
2405887,2406027,141,END: start 11 GT
2406703,2407016,314,START:Ends:2407709-2407715-2408500-
ID=NCLIV_026910 + 10 GTGATGC
2423187,2424521,1335,END:Starts:2418289-2419176-2423851-
2425004,2425071,68,EXACT,AG-GT
2425216,2425373,158,EXACT,AG-GT
2425689,2425989,301,EXACT,AG-GT
2426388,2426586,199,EXACT,AG-GT
2427113,2427304,192,EXACT,AG-GT
2427731,2428003,273,EXACT,AG-GT
2428661,2428733,73,EXACT,AG-GT
2429431,2429617,187,EXACT,AG-GT

2429845,2430034,190,START:Ends:2430917-2431196-2433213-
 ID=NCLIV_026930 + 1 [CT]..ATG[ACT]
 2441213,2442880,1668
 ID=NCLIV_026940 + 6 A..ATG
 2449106,2449120,15
 2449734,2449799,66
 2450493,2450700,208
 2450967,2451520,554
 2452036,2452098,63
 2452736,2453617,882
 ID=NCLIV_0269+ 8 G..ATGG
 2462254,2462265,12
 2462810,2463103,294
 2463453,2464053,601
 2464616,2465079,464
 2465767,2465865,99
 2466450,2466598,149,END: start 17 GT
 2466921,2466996,76,EXACT,AG-GT
 2467729,2467953,225,START:Ends:2468542-2468541-2468580-
 ID=NCLIV_026960 + 3 A..ATG
 2470942,2472614,1673,OVER:Starts:2470448-2469556-
 2473006,2473123,118,END: start 9 GT (ref:AG-GT)<< Possible error
 2473341,2473400,60,START:Ends:2474057-2474054-2474033-
 ID=NCLIV_026970 + 2 A..ATG
 2476504,2477682,1179,END:Starts:2475844-2475702-2476710-
 2478035,2478712,678,START:Ends:2480036-2480037-2480039-
 ID=NCLIV_026980 + 12 GCGATGA
 2482411,2482431,21
 2483515,2483960,446
 2484448,2484574,127
 2484832,2485542,711
 2485679,2485815,137
 2486074,2486344,271
 2486698,2486877,180
 2487350,2487508,159
 2488043,2488254,212
 2488570,2488639,70
 2489512,2489625,114,END: start 78 GT
 2489996,2490235,240,START:Ends:2490456-2490815-
 ID=NCLIV_026990 + 2 A..ATG
 2493282,2494644,1363
 2495323,2495699,377
 ID=NCLIV_027020 + 2 A..ATG
 2514868,2520911,6044,END:Starts:2509426-2509515-2519823-
 2521275,2521752,478,START:Ends:2521323-2523876-2523256-
 ID=NCLIV_027040 + 8 [CT]..ATG[ACT]
 2534072,2534349,278,OVER:Starts:2529624-2532475-2529486-
 2534770,2534931,162,EXACT,AG-GT
 2535064,2535167,104,EXACT,AG-GT
 2535839,2536102,264,EXACT,AG-GT
 2536501,2536663,163,EXACT,AG-GT
 2537243,2537332,90,EXACT,AG-GT
 2537908,2537991,84,EXACT,AG-GT
 2538453,2538489,37,START:Ends:2538830-2540916-2538537-
 ID=NCLIV_027060 + 5 A..ATG
 2552657,2553669,1013,END:Starts:2551884-2551851-2552002-
 2553997,2554197,201,EXACT,AG-GT
 2554613,2554830,218,EXACT,AG-GT
 2555390,2555619,230,EXACT,AG-GT
 2555987,2556190,204,START:Ends:2557157-2557165-2557170-

ID=NCLIV_027070 + 8 G..ATGG
 2560590,2560867,278
 2561271,2561432,162,END: start 3 GT
 2561791,2561938,148,EXACT,AG-GT
 2562316,2562378,63,EXACT,AG-GT
 2562763,2564331,1569,EXACT,AG-GT
 2564794,2564886,93,EXACT,AG-GT
 2565542,2565641,100,EXACT,AG-GT
 2565899,2566410,512,START:Ends:2567107-2567096-
 ID=NCLIV_027080 + 5 A..ATG
 2568914,2569307,394,END:Starts:2568226-2568092-2568182-
 2570193,2570312,120,EXACT,AG-GT
 2570687,2570827,141,EXACT,AG-GT
 2571372,2571538,167,EXACT,AG-GT
 2571952,2571969,18,START:Ends:2572641-2572682-2572656-
 ID=NCLIV_027090 + 2 A..ATG
 2574831,2575395,565,END:Starts:2573104-2574135-2574183-
 2575833,2575978,146,START:Ends:2576345-2576403-2577562-
 ID=NCLIV_0271+ 5 [CT]..ATG[ACT]
 2592068,2592125,58
 2592515,2594155,1641
 2594543,2596087,1545
 2596475,2596541,67
 2597027,2597156,130
 ID=NCLIV_027140 + 3 A..ATG
 2602940,2603620,681,END:Starts:2601655-2602141-2602248-
 2603950,2604299,350,EXACT,AG-GT
 2604875,2605211,337
 ID=NCLIV_027160 + 4 A..ATG
 2620342,2620381,40,END:Starts:2620123-2620129-2620156-
 2620857,2621001,145,EXACT,AG-GT
 2621129,2621182,54,EXACT,AG-GT
 2621311,2621824,514,START:Ends:2622018-2622187-2622014-
 ID=NCLIV_027170 + 6 A..ATG
 2622463,2622696,234
 2622759,2622774,16
 2622824,2622910,87
 2622972,2623013,42
 2623129,2623167,39
 2623227,2623594,368
 ID=NCLIV_027190 + 11 TCCATGG
 2628532,2628757,226
 2628957,2629063,107,EXACT,GT
 2629430,2629672,243,EXACT,AG-GT
 2629946,2630080,135,EXACT,AG-GT
 2630419,2630496,78,START: end -49 AG
 2630587,2630710,124
 2630902,2631054,153
 2631432,2632561,1130
 2632818,2632894,77
 2633038,2633201,164
 2633390,2633418,29
 ID=NCLIV_027210 + 8 A..ATG
 2635359,2635422,64,END:Starts:2635274-2635263-2635258-
 2635513,2635583,71,EXACT,AG-GT
 2635835,2635891,57,EXACT,AG-GT
 2635950,2636082,133,END: start 89 AG-GT (ref:AG-GT)<< Possible error
 2636300,2636343,44,EXACT,AG-GT
 2636800,2636886,87,EXACT,AG-GT
 2637014,2637067,54,START: end 719 AG

2637251,2637787,537
ID=NCLIV_027220 + 5 TCTATGG
2640921,2643989,3069,OVER:Starts:2644255-2638790-
2644298,2645163,866,END: start -5508 GT
2645684,2645921,238,START: end 332 AG-GT
2646074,2646253,180,EXACT,AG-GT
2646719,2646817,99,START:Ends:2647269-2647406-2647281-
ID=NCLIV_0272+ 10 A..ATG
2656951,2657442,492,END:Starts:2647489-2647355-
2658024,2658153,130,EXACT,AG-GT
2658407,2658619,213,EXACT,AG-GT
2658923,2659115,193,EXACT,AG-GT
2659312,2659396,85,EXACT,AG-GT
2659920,2660096,177,EXACT,AG-GT
2660582,2660754,173,EXACT,AG-GT
2661217,2661371,155,EXACT,AG-GT
2661852,2662198,347,EXACT,AG-GT
2662625,2662948,324,START:Ends:2663585-2663551-2663810-
ID=NCLIV_027260 + 1 A..ATG
2672797,2675040,2244
ID=NCLIV_027300 + 11 A..ATG
2699648,2700239,592
2700443,2700536,94
2701113,2701176,64
2701955,2702013,59
2702631,2702805,175
2703344,2703558,215,END: start -321 GT
2703998,2704158,161,START: end 113 AG
2704552,2704588,37
2705137,2705196,60
2705993,2706053,61,END: start 26 GT
2706352,2706450,99,START:Ends:2707057-2706691-
ID=NCLIV_027320 + 5 A..ATG
2718563,2720425,1863
2720706,2720804,99
2721456,2722037,582,END: start 12 GT (ref:AG-GT)<< Possible error
2722909,2723004,96,END: start 42 AG-GT
2723327,2723593,267,START:Ends:2723709-2723406-
ID=NCLIV_027370 + 6 [CT]..ATG[ACT]
2773804,2774410,607
2774896,2775074,179
2775456,2776520,1065
2777066,2777355,290
2778095,2778152,58
2778612,2778878,267
ID=NCLIV_027400 + 2 [CT]..ATG[ACT]
2801850,2803251,1402
2803595,2804514,920
ID=NCLIV_027420 + 3 A..ATG
2818598,2818839,242,END:Starts:2814724-2817722-2817725-
2819645,2819964,320,EXACT,TAG|TG|TAA:AG-GT
2820407,2820666,260,START:Ends:2821584-2821623-2822378-
ID=NCLIV_027430 + 5 [CT]..ATG[ACT]
2825326,2825526,201
2826388,2827342,955
2828414,2828621,208,OVER: start -27 and end 1241 GT (ref:AG-GT)<< Possible error
2829535,2829862,328,END: start -1148 GT (ref:AG-GT)<< Possible error
2830067,2830834,768,START:Ends:2831149-2832658-2831536-
ID=NCLIV_027450 + 4 A..ATG
2839384,2839578,195,END:Starts:2838368-2838411-2838768-

2840108,2840165,58,EXACT,AG-GT
 2840584,2841013,430,EXACT,AG-GT
 2841339,2841429,91,START:Ends:2842490-2842553-2842473-
 ID=NCLIV_027460 + 3 GAAATGC
 2847108,2847409,302
 2848342,2848621,280
 2849202,2849237,36
 ID=NCLIV_027490 + 1 A..ATG
 2880073,2880762,690
 ID=NCLIV_027510 + 5 A..ATG
 2896852,2897282,431
 2897657,2897772,116,END: start 16 GT (ref:AG-GT)<< Possible error
 2898019,2898221,203,EXACT,AG-GT
 2898487,2898719,233,EXACT,AG-GT
 2899325,2899442,118,START:Ends:2901533-2901524-
 ID=NCLIV_027530 + 5 A..ATG
 2921387,2922008,622,END:Starts:2919448-2919442-
 2922326,2922849,524,EXACT,AG-GT
 2923463,2923884,422,EXACT,AG-GT
 2924179,2924474,296,EXACT,AG-GT
 2925302,2925489,188,START:Ends:2925334-2926310-2926288-
 ID=NCLIV_027550 + 5 A..ATG
 2930276,2930478,203,END:Starts:2929370-2929323-2929378-
 2930871,2930968,98,EXACT,AG-GT
 2931614,2931773,160,END: start -21 AG-GT (ref:GG-GT)<< Possible error
 2931911,2932075,165,EXACT,AG-GT
 2932563,2932770,208,START:Ends:2933303-2933426-2933349-
 ID=NCLIV_027560 + 4 G..ATGG
 2935376,2935450,75
 2936123,2938631,2509
 2939330,2939496,167
 2939930,2939935,6
 ID=NCLIV_027590 + 9 A..ATG
 2950084,2950116,33
 2950751,2950993,243
 2951138,2951273,136
 2951626,2951683,58
 2951985,2952105,121
 2952252,2952331,80
 2952715,2952763,49
 2953161,2953221,61
 2954313,2954323,11
 ID=NCLIV_027610 + 2 A..ATG
 2966311,2966434,124
 2966981,2969487,2507
 ID=NCLIV_027620 + 7 A..ATG
 2973117,2973313,197,END:Starts:2972329-2972296-2972935-
 2974147,2974274,128,START: end 570 AG
 2974869,2975068,200
 2975807,2975917,111
 2976144,2976199,56
 2976519,2976603,85
 2976704,2976817,114
 ID=NCLIV_027630 + 4 A..ATG
 2979698,2980596,899
 2981443,2981555,113,EXACT,AG-GT
 2982096,2982664,569,EXACT,AG-GT
 2983295,2983471,177,OVER:EXACT
 ID=NCLIV_027640 + 13 CCGATGG
 2990353,2991117,765,END:Starts:2991072-2990364-

2991603,2992007,405,EXACT,AG-GT
 2992375,2992481,107,EXACT,AG-GT
 2992778,2993005,228,START: end -7 AG
 2993296,2993369,74
 2993961,2994105,145
 2994463,2994520,58
 2994924,2995062,139
 2995733,2995905,173,END: start 18 GT (ref:AG-GT)<< Possible error
 2996326,2996441,116,EXACT,AG-GT
 2996961,2997147,187,EXACT,AG-GT
 2997770,2997874,105,EXACT,AG-GT
 2998558,2998707,150,START:Ends:2999237-2999271-
 ID=NCLIV_027650 + 1 A..ATG
 3001700,3004771,3072
 ID=NCLIV_027710 + 4 CCTATGG
 3031172,3031331,160
 3031369,3031660,292
 3031698,3031902,205
 3031943,3032335,393
 ID=NCLIV_0277+ 9 A..ATG
 3048553,3048937,385
 3049714,3049847,134
 3050410,3050572,163
 3050966,3051132,167,END: start 11 GT
 3051517,3051676,160,EXACT,AG
 3052037,3052200,164,OVER: start -744 and end 691 GT
 3052384,3052624,241,OVER: start -1091 and end 267 GT
 3052806,3052891,86,END: start -1513 GT
 3053281,3053892,612,START:Ends:3054622-3053314-
 ID=NCLIV_027750 + 3 GGAATGT
 3055787,3057214,1428,END:EXACT
 3057339,3057394,56,EXACT,AG-GT
 3058365,3058728,364,WITHIN:Starts:3058494-3058505-
 ID=NCLIV_027760 + 4 [CT]..ATG[ACT]
 3059015,3059540,526,END:EXACT
 3059911,3060047,137,EXACT,AG-GT
 3060638,3060869,232,EXACT,AG-GT
 3061464,3061747,284,START:Ends:3064526-3064525-
 ID=NCLIV_027780 + 3 CCAATGG
 3071375,3071432,58,END:EXACT
 3071766,3071912,147,END: start 98 ATG:AG-GT (ref:AG-GT)<< Possible error
 3072533,3072789,257,START:Ends:3073346-3073366-3073381-
 ID=NCLIV_027790 + 2 A..ATG
 3077032,3077137,106,END:Starts:3075799-3076449-3076344-
 3077573,3077688,116,START:Ends:3078073-3078084-3078058-
 ID=NCLIV_027830 + 3 G..ATGG
 3112239,3113277,1039,END:Starts:3110468-3110472-3110480-
 3113917,3114339,423,EXACT,AG-GT
 3114618,3114772,155,START:EXACT
 ID=NCLIV_027870 + 3 A..ATG
 3137168,3137459,292
 3138099,3138575,477,END: start -766 GT
 3139303,3139820,518,START:Ends:3139411-3140215-
 ID=NCLIV_027890 + 4 GGAATGC
 3148067,3148227,161,END:EXACT
 3149042,3149511,470,EXACT,AG-GT
 3150152,3150207,56,EXACT,AG-GT
 3150676,3150756,81,START:Ends:3151210-3151252-3151219-
 ID=NCLIV_027920 + 7 G..ATGG
 3163628,3163633,6

3163861,3164631,771
 3165495,3165908,414,END: start 28 GT
 3166780,3166932,153
 3167288,3167458,171,END: start -3 GT
 3167808,3168103,296,START: end 5 Info:AG-GT-AG-GC-
 3168344,3168464,121,WITHIN:Starts:3168344-3168373-
 ID=NCLIV_027940 + 8 A..ATG
 3176418,3176635,218
 3177715,3178006,292
 3178538,3178937,400
 3179182,3179492,311
 3179739,3180438,700
 3180944,3181132,189
 3181521,3181675,155
 3182328,3182489,162
 ID=NCLIV_027960 + 2 A..ATG
 3190572,3191058,487
 3191194,3191591,398
 ID=NCLIV_027990 + 7 A..ATG
 3207074,3207395,322
 3208047,3208220,174
 3208448,3208597,150
 3209145,3209890,746
 3210065,3210157,93
 3210677,3210845,169
 3211206,3211414,209
 ID=NCLIV_028010 + 12 G..ATGG
 3222654,3222685,32
 3223277,3223595,319
 3224242,3225066,825
 3225520,3225700,181
 3226020,3226321,302
 3226716,3226941,226
 3227389,3227550,162
 3228122,3228269,148
 3228827,3228981,155
 3229284,3229475,192
 3230104,3230283,180,END: start -59 GT (ref:AG-GT)<< Possible error
 3230760,3231055,296,START:Ends:3231519-3231511-3231502-
 ID=NCLIV_028030 + 2 A..ATG
 3237508,3240272,2765,END:Starts:3237010-3237002-3240066-
 3240877,3241639,763,START:Ends:3242123-3242142-3242143-
 ID=NCLIV_028050 + 3 A..ATG
 3252846,3253134,289,END:Starts:3252330-3251420-3252506-
 3253703,3254109,407,EXACT,AG-GT
 3254272,3254421,150,START:Ends:3260315-3257936-3258032-
 ID=NCLIV_028070 + 6 [CT]..ATG[ACT]
 3261234,3261294,61
 3262984,3268580,5597
 3268941,3269133,193
 3269382,3269483,102
 3270032,3270801,770
 3271128,3271214,87
 ID=NCLIV_028090 + 1 A..ATG
 3284481,3284978,498,OVER:Ends:3285412-3285462-3285530-
 ID=NCLIV_028100 + 15 [CT]..ATG[ACT]
 3287085,3287269,185
 3287328,3287488,161
 3287660,3287909,250
 3287968,3288060,93

3288119,3288555,437
3288610,3288765,156
3288825,3288870,46
3288927,3288997,71
3289055,3289152,98
3289206,3289340,135
3289399,3289779,381
3289834,3289888,55
3289950,3290065,116
3290123,3290293,171
3290352,3290483,132
ID=NCLIV_028120 + 4 A..ATG
3294797,3295075,279,END:Starts:3293217-3293219-3294663-
3295328,3295417,90,START: end 489 AG-GT
3295801,3295906,106,END: start -473 AG-GT
3296135,3296253,119,START:Ends:3297283-3297412-
ID=NCLIV_028180 + 14 A..ATG
3345827,3346227,401,END:Starts:3344795-3344807-3345286-
3346783,3347008,226,EXACT,AG-GT
3347706,3347873,168,EXACT,AG-GT
3348201,3348460,260,EXACT,AG-GT
3349252,3349687,436,EXACT,ATG:AG-GT
3350007,3350381,375,EXACT,AG-GT
3350782,3350970,189,EXACT,AG-GT
3351312,3351371,60,EXACT,AG-GT
3351961,3352136,176,EXACT,AG-GT
3352361,3352904,544,EXACT,AG-GT
3353371,3353494,124,EXACT,AG-GT
3354005,3354174,170,EXACT,AG-GT
3354823,3354960,138,EXACT,AG-GT
3355535,3356050,516,START:Ends:3356367-3356374-3356256-
ID=NCLIV_028190 + 1 [CT]..ATG[ACT]
3359667,3361919,2253
ID=NCLIV_028210 + 8 A..ATG
3371272,3371274,3,END:EXACT
3371460,3371668,209,EXACT,AG-GT
3372098,3372260,163,EXACT,AG-GT
3372643,3372819,177,EXACT,AG-GT
3373028,3373241,214,EXACT,AG-GT
3374025,3374117,93,EXACT,AG-GT
3374463,3374753,291,END: start 47 AG-GT (ref:AG-GT)<< Possible error
3375356,3375480,125,START:Ends:3376232-3376047-3375988-
ID=NCLIV_028220 + 7 A..ATG
3378058,3378136,79
3378501,3378557,57
3378949,3379025,77
3379292,3379375,84
3379757,3379822,66
3380215,3380418,204,END: start -2 GT
3380663,3381598,936,START:Ends:3382047-3382026-
ID=NCLIV_028240 + 10 A..ATG
3389083,3389111,29,END:Starts:3387742-3387542-3387630-
3389632,3389704,73,EXACT,AG-GT
3390258,3390305,48,EXACT,AG-GT
3390537,3390584,48,EXACT,AG-GT
3390917,3391056,140,EXACT,AG-GT
3391341,3391428,88,EXACT,AG-GT
3392001,3392069,69,EXACT,AG-GT
3392739,3392776,38,EXACT,AG-GT
3393584,3393654,71,EXACT,AG-GT

3393956,3394005,50,START:Ends:3394030-3394242-3394244-
ID=NCLIV_028290 + 14 GAAATGC
3422529,3426356,3828
3426771,3426965,195
3427627,3427734,108
3428092,3428201,110
3428779,3428893,115
3429143,3429175,33
3429664,3429768,105
3430373,3430630,258
3431185,3431322,138
3431837,3432016,180
3432469,3432712,244
3433434,3433551,118
3433809,3433865,57
3434277,3434442,166
ID=NCLIV_028310 + 5 A..ATG
3444415,3444588,174,END:Starts:3443880-3443899-3443902-
3444859,3444975,117,EXACT,AG-GT
3445847,3445891,45,EXACT,AG-GT
3446056,3446119,64,EXACT,AG-GT
3447253,3447284,32,OVER:EXACT
ID=NCLIV_028320 + 3 A..ATG
3451949,3453136,1188,END:Starts:3450773-3450779-
3453882,3454074,193,EXACT,AG-GT
3454571,3454791,221,START:Ends:3455301-3455303-3456905-
ID=NCLIV_028360 + 7 [CT]..ATG[ACT]
3487206,3487217,12
3487729,3489070,1342,EXACT,AG-GT
3489619,3489804,186,EXACT,AG-GT
3490253,3490584,332,END: start -90 AG-GT (ref:AG-GT)<< Possible error
3491163,3491599,437,EXACT,AG-GT
3492324,3492673,350,EXACT,AG
3493447,3493739,293,START:Ends:3494401-3494398-
ID=NCLIV_028370 + 11 G..ATGG
3496441,3496744,304
3497329,3497932,604
3498458,3498674,217
3499550,3499685,136
3500268,3500599,332
3501096,3501326,231
3501989,3502225,237
3502835,3502985,151
3503381,3503514,134
3503748,3503934,187
3504252,3504505,254
ID=NCLIV_028390 + 1 A..ATG
3514060,3515217,1158
ID=NCLIV_028430 + 18 A..ATG
3547412,3547555,144
3548012,3548174,163
3548751,3548945,195
3549564,3550013,450
3551506,3551586,81
3552805,3552933,129
3553650,3553969,320
3554904,3554984,81
3555811,3555870,60
3555932,3555994,63
3556942,3557061,120

3557503,3557515,13
 3558102,3558200,99
 3558365,3558466,102
 3558633,3558734,102
 3558899,3559000,102
 3559167,3559256,90
 3559843,3559877,35
 ID=NCLIV_028440 + 12 CAAATGG
 3565092,3565170,79,END:Starts:3564963-3564931-
 3565890,3566168,279,OVER: start -171 and end 452 AG
 3567759,3567839,81
 3568765,3568887,123
 3569643,3570041,399
 3570990,3571070,81
 3571929,3571988,60
 3572977,3573078,102
 3573233,3573334,102,START: end 821 GT
 3573790,3573876,87,OVER: start -557 and end 279 GT
 3574051,3574155,105,END: start -818 GT
 3574773,3574804,32,START:Ends:3575346-3575443-
 ID=NCLIV_028460 + 6 GCAATGC
 3587668,3589128,1461
 3589424,3589587,164
 3590184,3590196,13
 3590648,3590761,114
 3591119,3591702,584
 3591989,3592070,82
 ID=NCLIV_028480 + 13 [CT]..ATG[ACT]
 3602355,3604748,2394
 3605322,3605583,262,END: start 1 GT
 3606101,3606260,160,EXACT,AG-GT
 3606734,3607449,716,START: end -60 AG
 3607913,3608514,602,END: start 80 GT
 3608931,3609325,395,START: end -7 AG
 3609670,3609718,49
 3610108,3611416,1309,END: start 1023 GT
 3611696,3611772,77,EXACT,AG-GT
 3612211,3612339,129,EXACT,ATG:AG-GT
 3612544,3612630,87,EXACT,AG
 3613187,3613326,140
 3613885,3614323,439
 ID=NCLIV_028500 + 8 A..ATG
 3623805,3623927,123,END:Starts:3622983-3623675-3623457-
 3624590,3624667,78,START: end 740 AG-GT (ref:AG-GT)<< Possible error
 3625150,3625407,258,END: start -560 AG-GT (ref:AG-GT)<< Possible error
 3626090,3626202,113,EXACT,AG-GT
 3626564,3626642,79,EXACT,AG-GT
 3627090,3627157,68,EXACT,AG-GT
 3627446,3627506,61,EXACT,AG-GT
 3628164,3628679,516,START:Ends:3628272-3629637-3629516-
 ID=NCLIV_028520 + 10 [CT]..ATG[ACT]
 3635377,3635389,13
 3636037,3636246,210
 3637139,3637258,120
 3637722,3637811,90,END: start -118 GT
 3638255,3638325,71,EXACT,AG-GT
 3638785,3638855,71,EXACT,AG-GT
 3639543,3639643,101,EXACT,AG-GT
 3639980,3640027,48,EXACT,AG-GT
 3640365,3640456,92,EXACT,AG-GT

3640938,3640997,60,START:Ends:3643365-3642147-3643351-
 ID=NCLIV_028530 + 11 A..ATG
 3645666,3647328,1663
 3647878,3648260,383
 3648827,3649012,186
 3649483,3651324,1842,END: start 910 GT
 3651707,3651869,163,START: end 5 Info:AG-GT-AG-GC-
 3652412,3652521,110
 3652954,3653002,49
 3653747,3653907,161
 3654537,3654653,117
 3655035,3655386,352
 3655638,3657673,2036,START:Ends:3658428-3656758-3656487-
 ID=NCLIV_028560 + 15 A..ATG
 3671795,3671889,95,END:Starts:3671036-3670872-3671343-
 3672366,3672864,499,START: end 1817 AG
 3673233,3673340,108,OVER: start -867 and end 1341 AG
 3674141,3674181,41,OVER: start -1775 and end 500 AG
 3676840,3678364,1525
 3679113,3679460,348
 3679831,3679914,84
 3680610,3680837,228
 3681227,3681318,92
 3681972,3683154,1183
 3683588,3684103,516
 3684501,3687874,3374
 3688316,3688476,161
 3688723,3689357,635
 3690513,3690623,111
 ID=NCLIV_028590 + 10 A..ATG
 3700220,3700355,136
 3700420,3700452,33
 3700509,3700535,27
 3700594,3700680,87
 3700738,3700798,61
 3700853,3700920,68
 3700978,3701003,26
 3701062,3701136,75
 3701202,3701296,95
 3701351,3701378,28
 ID=NCLIV_028610 + 8 A..ATG
 3710179,3713288,3110,END:Starts:3709198-3709243-3709304-
 3713807,3713924,118,EXACT,AG-GT
 3714299,3714475,177,EXACT,AG-GT
 3714736,3714825,90,EXACT,AG-GT
 3715255,3715332,78,EXACT,AG-GT
 3715683,3715866,184,EXACT,AG-GT
 3716177,3716379,203,EXACT,AG-GT
 3716850,3717944,1095,START:Ends:3718282-3718332-3718323-
 ID=NCLIV_028620 + 2 [CT]..ATG[ACT]
 3721140,3721241,102
 3721739,3721846,108,START:Ends:3722608-3724499-
 ID=NCLIV_028640 + 1 CCGATGG
 3731811,3734147,2337
 ID=NCLIV_028650 + 4 GAGATGC
 3739942,3743808,3867
 3744386,3745742,1357,END: start -127 AG-GT (ref:AG-GT)<< Possible error
 3746122,3747968,1847,EXACT,AG-GT
 3748366,3748668,303,START:Ends:3751056-3750648-3750647-
 ID=NCLIV_028680 + 8 [CT]..ATG[ACT]

3770720,3770990,271,END:Starts:3764509-3764531-3767216-
 3771567,3771845,279,EXACT,AG-GT
 3772476,3772781,306,START: end 534 AG-GT
 3773082,3773315,234,END: start -606 AG-GT
 3773555,3773896,342,EXACT,AG-GT
 3774190,3774283,94,EXACT,AG-GT
 3774656,3774777,122,EXACT,AG-GT
 3775076,3775137,62,START:Ends:3776173-3776194-3775167-
 ID=NCLIV_028700 + 1 A..ATG
 3787519,3787785,267
 ID=NCLIV_028730 + 14 [CT]..ATG[ACT]
 3825761,3825928,168
 3826323,3826387,65
 3826580,3826675,96
 3827044,3827156,113
 3827959,3827996,38,END: start -136 GT
 3829275,3829363,89,EXACT,AG-GT
 3829826,3829992,167,START: end 55 AG
 3830276,3830308,33
 3830639,3830758,120
 3831165,3831294,130
 3831612,3831708,97,END: start -3 GT
 3832069,3832161,93,EXACT,AG
 3832523,3832859,337
 3832966,3833090,125
 ID=NCLIV_028750 + 10 A..ATG
 3843265,3843387,123,END:Starts:3842432-3842265-3842443-
 3844154,3845722,1569,START: end -31 AG
 3845836,3846021,186
 3846405,3846713,309,END: start -4 GT (ref:AG-GT)<< Possible error
 3847231,3847506,276,START: end -60 AG
 3848302,3848489,188,END: start -285 GT (ref:AG-GT)<< Possible error
 3849197,3849495,299,EXACT,AG-GT
 3849921,3850244,324,EXACT,AG-GT
 3851274,3851339,66,EXACT,AG-GT
 3851837,3852195,359,START:Ends:3852662-3852664-3852637-
 ID=NCLIV_028770 + 1 GAAATGC
 3877186,3878433,1248
 ID=NCLIV_028780 + 1 A..ATG
 3881640,3882422,783
 ID=NCLIV_028800 + 3 GCCATGA
 3890912,3890979,68
 3891923,3891962,40
 3892546,3900996,8451
 ID=NCLIV_028830 + 12 A..ATG
 3920034,3920084,51,END:Starts:3919950-3919940-3920000-
 3920612,3920801,190,EXACT,AG-GT
 3921373,3921517,145,EXACT,AG-GT
 3921853,3922028,176,EXACT,AG-GT
 3922487,3922578,92,EXACT,AG-GT
 3923132,3923218,87,EXACT,AG-GT
 3923694,3923880,187,EXACT,AG-GT
 3924354,3924441,88,EXACT,AG-GT
 3924829,3924913,85,EXACT,AG-GT
 3925239,3925396,158,EXACT,AG-GT
 3925732,3925845,114,EXACT,AG-GT
 3926346,3926418,73,START:EXACT
 ID=NCLIV_028835 + 2 A..ATG
 3930155,3931395,1241,END:Starts:3928649-3930425-
 3931712,3932279,568,START:EXACT

ID=NCLIV_028850 + 2 GCCATGT
3961562,3962472,911
3963425,3964037,613

ID=NCLIV_028870 + 14 A..ATG
3978322,3978572,251,END:Starts:3976629-3976779-3978019-
3979338,3979411,74,EXACT,AG-GT
3979648,3979751,104,EXACT,AG-GT
3980255,3980326,72,EXACT,AG-GT
3980759,3981009,251,EXACT,AG-GT
3981399,3981468,70,EXACT,ATG:AG-GT
3981981,3982115,135,EXACT,AG-GT
3982502,3982583,82,EXACT,AG-GT
3982810,3982881,72,EXACT,AG-GT
3983645,3983719,75,EXACT,AG-GT
3984067,3984216,150,EXACT,AG-GT
3984451,3984568,118,EXACT,AG-GT
3985063,3985156,94,EXACT,AG-GT
3985419,3985460,42,START:EXACT

ID=NCLIV_028880 + 6 A..ATG
3991911,3992084,174,END:Ends:3991250-3992084-
3992737,3992960,224,EXACT,AG-GT
3993335,3993400,66,EXACT,AG-GT
3994125,3994227,103,EXACT,AG-GT
3994914,3995226,313,EXACT,AG-GT
3995891,3996936,1046,START:Ends:3997144-3996449-3997472-

ID=NCLIV_028900 + 8 A..ATG
4017456,4017566,111
4018184,4019025,842,EXACT,GT
4019708,4019814,107,EXACT,AG-GT
4020409,4020498,90,EXACT,AG-GT
4020819,4021098,280,EXACT,AG-GT
4021630,4021871,242,EXACT,AG-GT
4022156,4022338,183,EXACT,AG-GT
4022802,4023232,431,START:Ends:4023480-4023477-4023488-

ID=NCLIV_028910 + 15 A..ATG
4025393,4026182,790
4026547,4026605,59,END: start -186 GT
4027188,4027370,183,EXACT,AG-GT
4027666,4027998,333,EXACT,AG-GT
4029013,4029079,67,START: end -39 AG
4029663,4029745,83,EXACT,AG-GT
4030024,4030409,386,EXACT,AG-GT
4030683,4030852,170,EXACT,AG-GT
4030968,4031061,94,EXACT,TAG|TGA|TAA:AG-GT
4031475,4031589,115,EXACT,AG-GT
4032405,4032446,42,EXACT,AG
4032926,4032966,41,EXACT,GT
4033839,4034097,259,END: start -687 AG-GT (ref:AG-GT)<< Possible error
4034773,4034847,75
4035077,4035133,57

ID=NCLIV_028930 + 16 A..ATG
4045886,4045903,18
4046709,4049569,2861
4049926,4050069,144
4050273,4050351,79
4050672,4050803,132
4051642,4051810,169,START: end 1953 AG-GT
4052617,4052777,161,END: start -352 GT
4053361,4053763,403,END: start -294 AG
4054193,4054378,186,EXACT,AG

4054599,4054816,218,START: end 1377 AG-GT
4055201,4055630,430,OVER: start -602 and end 563 AG-GT
4056093,4056193,101,END: start -1494 AG-GT
4056723,4057350,628,START: end 772 GT
4057641,4058122,482,END: start -918 GT
4058398,4058801,404,END: start 368 GT
4059100,4059259,160,START:Ends:4059486-4059545-
ID=NCLIV_028970 + 8 A..ATG
4089420,4089518,99,END:Starts:4089292-4089220-
4089937,4089995,59,EXACT,AG-GT
4090548,4091557,1010,EXACT,AG-GT
4092489,4093489,1001,END: start 578 GT
4093737,4093772,36,EXACT,AG-GT
4094212,4094299,88,EXACT,AG-GT
4094468,4094558,91,START: end 2339 AG
4095202,4095358,157,OVER:Ends:4094545-4096897-
ID=NCLIV_028990 + 17 GCAATGT
4110768,4110773,6
4112201,4112606,406,END: start -879 GT
4113413,4113693,281,EXACT,AG-GT
4114347,4114950,604,EXACT,AG-GT
4115378,4115674,297,EXACT,AG-GT
4116178,4116388,211,EXACT,AG-GT
4116841,4117044,204,EXACT,AG-GT
4117453,4117705,253,EXACT,AG-GT
4118055,4118204,150,EXACT,AG-GT
4118633,4118768,136,START: end 701 AG-GT (ref:AG-GT)<< Possible error
4119309,4119469,161,END: start -676 AG-GT (ref:AG-GT)<< Possible error
4120177,4120360,184,EXACT,AG-GT
4120707,4120964,258,EXACT,AG-GT
4121388,4121604,217,EXACT,AG-GT
4122143,4122248,106,EXACT,AG-GT
4122955,4123113,159,EXACT,AG-GT
4123381,4123470,90,START:Ends:4124644-4126057-4124506-
ID=NCLIV_0290+ 1 A..ATG
4131924,4133012,1089
ID=NCLIV_029030 + 8 A..ATG
4141078,4141090,13
4142069,4143309,1241
4143834,4143943,110
4144450,4144613,164
4145135,4145268,134
4145545,4145657,113,END: start 1 GT
4145981,4146420,440,EXACT,AG-GT
4146775,4146872,98,START:Ends:4148003-4147069-4148159-
ID=NCLIV_029040 + 3 A..ATG
4150061,4152244,2184,END:Starts:4148691-4149121-4150970-
4152604,4152759,156,EXACT,AG-GT
4153563,4153802,240,START:Ends:4154362-4154284-4154065-
ID=NCLIV_029045 + 3 A..ATG
4156474,4156576,103,END:Starts:4155834-4155832-4155844-
4156741,4156865,125,EXACT,AG-GT
4156999,4157250,252,OVER:Ends:4157883-4157891-4157880-
ID=NCLIV_029090 + 11 A..ATG
4188734,4189012,279,END:EXACT
4189651,4189898,248,EXACT,AG-GT
4190634,4191027,394,EXACT,AG-GT
4191712,4191936,225,EXACT,AG-GT
4192471,4192580,110,EXACT,AG-GT
4193061,4193156,96,EXACT,AG-GT

4193453,4193570,118,EXACT,AG-GT
4194150,4194308,159,EXACT,AG-GT
4194783,4194851,69,EXACT,AG-GT
4195079,4195177,99,EXACT,AG-GT
4195502,4195585,84,START:Ends:4195525-4196401-4196393-
ID=NCLIV_029100 + 17 [CT]..ATG[ACT]
4199306,4199393,88,OVER:Starts:4198718-4199290-
4200067,4200421,355,END: start -777 GT
4201154,4201282,129,EXACT,AG-GT
4201612,4201700,89
4202029,4202138,110
4202479,4202588,110
4203126,4203768,643
4204078,4204499,422
4204840,4204945,106
4205612,4205728,117,END: start -3 GT
4206031,4206567,537,EXACT,AG-GT
4206926,4207077,152,EXACT,AG-GT
4207472,4207579,108,EXACT,AG-GT
4208151,4208300,150,EXACT,AG-GT
4208759,4208831,73,START: end 85 AG
4209359,4209538,180,END: start 16 GT (ref:AG-GT)<< Possible error
4210015,4210395,381,START:Ends:4210787-4210775-4210761-
ID=NCLIV_029120 + 4 A..ATG
4223632,4224522,891,OVER:Starts:4223307-4223319-4223321-
4225067,4225520,454,OVER: start -1748 and end 391 GT (ref:AG-GT)<< Possible error
4225615,4225911,297,END: start -2296 GT (ref:AG-GT)<< Possible error
4226182,4226336,155,START:Ends:4226764-4227190-4226839-
ID=NCLIV_029130 + 5 [CT]..ATG[ACT]
4229505,4230164,660,END:Starts:4227782-4228463-4228643-
4230717,4230812,96,EXACT,AG-GT
4231429,4231622,194,EXACT,AG-GT
4232351,4232493,143,START: end 672 AG
4232667,4232722,56,OVER:Ends:4232493-4233165-4234192-
ID=NCLIV_029170 + 15 A..ATG
4256667,4256719,53,END:Starts:4253239-4254834-
4257118,4257188,71,EXACT,AG-GT
4257364,4257428,65,EXACT,AG-GT
4258103,4258182,80,EXACT,AG-GT
4258648,4258756,109,EXACT,AG-GT
4259445,4259493,49,EXACT,AG-GT
4260195,4260451,257,START: end -24 AG
4261304,4261416,113,END: start 3 GT
4261944,4262103,160,EXACT,AG-GT
4262430,4262934,505,EXACT,AG-GT
4263260,4263480,221,START: end -3 AG
4263906,4264238,333
4264695,4264760,66,END: start -1 GT (ref:AG-GT)<< Possible error
4265292,4265384,93,START: end 1492 AG
4265974,4266168,195,OVER:Ends:4266876-4265356-4266902-
ID=NCLIV_029180 + 1 A..ATG
4269411,4271939,2529
ID=NCLIV_029200 + 5 A..ATG
4282574,4282783,210
4283303,4285705,2403
4287743,4287864,122
4289059,4289291,233,EXACT,AG-GT
4289727,4289791,65
ID=NCLIV_029220 + 1 A..ATG
4316707,4317273,567

ID=NCLIV_029250 + 10 A..ATG
4329104,4329284,181
4329593,4329663,71
4329920,4329992,73
4330489,4330541,53
4331325,4331373,49,END: start -620 GT
4331948,4332043,96,EXACT,ATG:AG-GT
4332625,4332686,62,EXACT,AG-GT
4333362,4333499,138,EXACT,AG-GT
4334000,4334039,40,EXACT,AG-GT
4334554,4334633,80,START:Ends:4336975-4335578-

ID=NCLIV_029260 + 7 A..ATG
4338892,4339177,286,END:Starts:4337712-4337715-4337664-
4339526,4339568,43,EXACT,AG-GT
4339717,4339784,68,EXACT,AG-GT
4340390,4340492,103,EXACT,AG-GT
4341293,4341419,127,EXACT,AG-GT
4342090,4342534,445,EXACT,AG-GT
4343007,4343266,260,START:Ends:4343553-4343675-4343559-

ID=NCLIV_029280 + 7 TCGATGG
4352705,4352735,31
4353312,4353451,140
4354157,4354291,135
4354743,4354798,56
4355213,4355272,60
4355944,4356074,131
4356439,4356524,86

ID=NCLIV_029300 + 6 A..ATG
4365487,4366422,936
4366775,4367106,332
4367563,4367693,131
4368038,4368242,205
4368367,4368544,178,START: end 60 AG
4369112,4369333,222

ID=NCLIV_029320 + 4 G..ATGG
4374084,4374810,727
4375553,4375700,148
4375929,4376032,104
4376342,4376559,218

ID=NCLIV_029330 + 9 CAGGAGA
4380130,4380214,85,EXACT,AG-GT
4380830,4381176,347,EXACT,AG-GT
4382104,4382655,552,START: end -1 AG
4383280,4383405,126,END: start -479 GT
4383946,4384068,123,EXACT,AG-GT
4384407,4384634,228,EXACT,AG-GT
4385078,4385632,555,EXACT,AG-GT
4386404,4386520,117,EXACT,ATG:AG-GT
4386721,4386846,126

ID=NCLIV_029350 + 6 A..ATG
4397274,4397742,469,END:Starts:4396346-4396381-
4398027,4398353,327,START: end 529 AG
4398782,4398882,101,END: start -171 AG-GT
4399289,4399691,403,EXACT,AG-GT
4400224,4400648,425,EXACT,AG-GT
4401101,4401370,270,START:Ends:4402194-4402216-4402222-

ID=NCLIV_029360 + 3 A..ATG
4404276,4404989,714,END:Starts:4403311-4403353-4403780-
4405214,4405778,565,EXACT,AG-GT
4406238,4406695,458,START:Ends:4407082-4407065-4411152-

ID=NCLIV_029390 + 1 GACATGT
 4424600,4428295,3696
 ID=NCLIV_029420 + 4 A..ATG
 4437224,4437712,489,END:EXACT
 4438363,4438454,92,EXACT,AG-GT
 4438961,4439008,48,EXACT,AG-GT
 4439555,4439576,22,START:EXACT
 ID=NCLIV_029460 + 2 CCCATGG
 4460718,4463150,2433,END:Starts:4460422-4461939-4462236-
 4463592,4463657,66,START:Ends:4463851-4463914-4463925-
 ID=NCLIV_029480 + 4 A..ATG
 4472333,4472359,27
 4472993,4474889,1897
 4475438,4475872,435
 4476452,4477920,1469
 ID=NCLIV_029490 + 4 A..ATG
 4480752,4481420,669,OVER:Starts:4480546-4480552-4480294-
 4482681,4483156,476,START: end 561 AG-GT
 4483931,4484076,146,START: end 14431 AG
 4484806,4486547,1742,OVER:Ends:4486893-4498507-
 ID=NCLIV_029500 + 2 A..ATG
 4488452,4488593,142,OVER:Ends:4486893-4498507-
 4489297,4489673,377,OVER:Ends:4486893-4498507-
 ID=NCLIV_029520 + 1 A..ATG
 4491044,4491475,432,OVER:Ends:4486893-4498507-
 ID=NCLIV_029540 + 2 GCCATGT
 4499462,4500670,1209,END:EXACT
 4501198,4502952,1755,START:Ends:4503975-4504815-4504790-
 ID=NCLIV_029560 + 1 [CT]..ATG[ACT]
 4514169,4515533,1365
 ID=NCLIV_029580 + 2 GGGATGA
 4537440,4537823,384,END:Starts:4536193-4536813-4536963-
 4538313,4538729,417,START:Ends:4539303-4539526-4539753-
 ID=NCLIV_029600 + 3 A..ATG
 4551720,4551862,143
 4552309,4554211,1903
 4554578,4555525,948
 ID=NCLIV_029610 + 7 A..ATG
 4559843,4559908,66,END:Starts:4559027-4558919-
 4560757,4560837,81,START: end 7 AG
 4561285,4561355,71,END: start 48 AG-GT
 4561789,4562017,229,START: end -117 AG-GC
 4562261,4562383,123,EXACT,AG-GT
 4562839,4562928,90,EXACT,AG-GT
 4563138,4563257,120,START:EXACT
 ID=NCLIV_029620 + 3 GGAATGT
 4565434,4568241,2808,END:Starts:4566500-4565472-4567144-
 4568678,4569291,614,START: end 333 AG-GT (ref:AG-GT)<< Possible error
 4569902,4570073,172,START:EXACT
 ID=NCLIV_029660 + 4 A..ATG
 4583368,4587033,3666,END:Starts:4581845-4580714-4582554-
 4587419,4587887,469,EXACT,AG-GT
 4588241,4589403,1163,START: end 1343 AG
 4589707,4589853,147,START:EXACT
 ID=NCLIV_029680 + 10 A..ATG
 4597121,4597225,105,END:EXACT
 4597798,4597920,123,START: end -2 AG
 4598680,4598798,119
 4600088,4600250,163,EXACT,GT
 4600716,4600865,150,EXACT,AG-GT

4601283,4603119,1837,EXACT,AG-GT
 4603637,4603735,99,EXACT,AG-GT
 4604198,4604513,316,EXACT,AG-GT
 4605603,4605647,45,EXACT,AG-GT
 4606028,4606328,301,START:Ends:4606950-4606838-4606689-
 ID=NCLIV_029690 + 4 GAAATGT
 4608531,4608579,49,END:Starts:4607521-4608142-4607752-
 4608984,4609051,68,EXACT,AG-GT
 4609435,4609696,262,EXACT,AG-GT
 4610459,4610613,155,START:EXACT
 ID=NCLIV_029700 + 6 A..ATG
 4614016,4614180,165,END:EXACT
 4614689,4616255,1567,EXACT,AG-GT
 4616905,4617199,295,EXACT,AG-GT
 4617606,4617874,269,EXACT,AG-GT
 4618491,4618681,191,EXACT,AG-GT
 4619245,4620555,1311,START:Ends:4619268-4621121-4621105-
 ID=NCLIV_029710 + 1 GCGATGA
 4626212,4631029,4818
 ID=NCLIV_029720 + 8 A..ATG
 4636654,4636804,151,END:EXACT
 4637026,4638665,1640,EXACT,AG-GT
 4638896,4639011,116,EXACT,AG-GT
 4639336,4639583,248,EXACT,AG-GT
 4639971,4640086,116,EXACT,AG-GT
 4640364,4640447,84,EXACT,AG-GT
 4640721,4640804,84,EXACT,AG-GT
 4641059,4641202,144,START:Ends:4643684-4643724-4643803-
 ID=NCLIV_029730 + 8 A..ATG
 4646755,4646772,18,END:Starts:4645002-4645011-4645190-
 4647117,4647213,97,EXACT,AG-GT
 4647822,4647999,178,EXACT,AG-GT
 4648206,4648288,83,START: end 374 AG
 4648772,4648843,72,END: start -22 GT (ref:AG-GT)<< Possible error
 4649475,4649570,96,EXACT,AG-GT
 4649882,4649944,63,EXACT,AG-GT
 4650361,4650398,38,START:EXACT
 ID=NCLIV_029750 + 2 A..ATG
 4660331,4661314,984,END:Starts:4659489-4659661-4659730-
 4661819,4661965,147,START:Ends:4662514-4662516-4662601-
 ID=NCLIV_029760 + 8 A..ATG
 4665517,4665639,123,END:Starts:4663995-4664175-4664190-
 4666357,4666798,442,START: end 122 AG-GT
 4667502,4668514,1013
 4668998,4669093,96,END: start -1003 GT
 4669660,4669809,150,EXACT,AG-GT
 4670117,4670192,76,EXACT,AG-GT
 4670823,4670895,73,EXACT,AG-GT
 4671201,4672848,1648,START:Ends:4673589-4673629-
 ID=NCLIV_029790 + 2 A..ATG
 4699049,4701557,2509
 4702583,4702746,164
 ID=NCLIV_029810 + 6 A..ATG
 4715857,4716347,491,END:Starts:4714299-4714294-4715055-
 4716793,4716852,60,EXACT,AG-GT
 4717544,4717667,124,START: end 668 AG-GT (ref:AG-GT)<< Possible error
 4717966,4718335,370,END: start -422 AG-GT (ref:AG-GT)<< Possible error
 4718633,4718687,55,EXACT,AG-GT
 4719209,4719659,451,START:Ends:4720785-4720773-
 ID=NCLIV_029820 + 3 G..ATGG

4725241,4725656,416
 4726454,4727220,767
 4727622,4728949,1328
 ID=NCLIV_029850 + 1 A..ATG
 4745597,4747312,1716
 ID=NCLIV_029860 + 1 A..ATG
 4749288,4749872,585
 ID=NCLIV_029870 + 12 GCCATGT
 4755339,4757736,2398,END:Starts:4756836-
 4758436,4758620,185,EXACT,AG-GT
 4759053,4759137,85,EXACT,AG-GT
 4759399,4759519,121,EXACT,AG-GT
 4759980,4760081,102,EXACT,AG-GT
 4760519,4760618,100,EXACT,AG-GT
 4761159,4761346,188,EXACT,AG-GT
 4761711,4762314,604,EXACT,AG-GT
 4762476,4762705,230,EXACT,AG-GT
 4763357,4763660,304,EXACT,AG-GT
 4764178,4764336,159,EXACT,AG-GT
 4764759,4765280,522,START:Ends:4765962-4765461-4768227-
 ID=NCLIV_029890 + 5 A..ATG
 4773920,4774229,310,END:Starts:4773227-4773242-4773446-
 4774606,4774850,245,EXACT,AG-GT
 4775626,4775701,76,EXACT,AG-GT
 4776162,4776265,104,EXACT,AG-GT
 4776984,4777070,87,START:Ends:4777087-4776996-4777424-
 ID=NCLIV_029910 + 15 CGTATGG
 4786278,4786331,54,END:Starts:4784937-4784957-
 4786854,4786941,88,EXACT,TAG|TGA|TAA:AG-GT
 4787210,4787275,66,EXACT,AG-GT
 4787628,4787773,146,EXACT,AG-GT
 4788290,4788365,76,END: start 19 AG-GT (ref:AG-GT)<< Possible error
 4788888,4788947,60,EXACT,AG-GT
 4789142,4789234,93,EXACT,AG-GT
 4790033,4790347,315,EXACT,AG-GT
 4790567,4791049,483,EXACT,AG-GT
 4791307,4791569,263,EXACT,AG-GT
 4792121,4792232,112,EXACT,AG-GT
 4792691,4792835,145,START: end -6 AG-GT
 4793470,4793530,61
 4793945,4794062,118,END: start -34 GT (ref:AG-GT)<< Possible error
 4794654,4794766,113,START:Ends:4795321-4795298-4795276-
 ID=NCLIV_029920 + 3 G..ATGG
 4797656,4797917,262,END:Starts:4797116-4797127-4797147-
 4798578,4798765,188,EXACT,AG-GT
 4799330,4799530,201,START:Ends:4799743-4799742-4799696-
 ID=NCLIV_029950 + 4 [CT]..ATG[ACT]
 4813456,4813695,240
 4814467,4815197,731
 4815258,4815444,187
 4815505,4816200,696
 ID=NCLIV_029970 + 3 A..ATG
 4824969,4825308,340,OVER:Starts:4824341-4824422-4824442-
 4825930,4826046,117,END: start -1508 GT (ref:AG-GT)<< Possible error
 4826419,4828112,1694,START:Ends:4828527-4828657-4830548-
 ID=NCLIV_030000 + 12 G..ATGG
 4852272,4852304,33
 4852836,4853130,295
 4853695,4858712,5018,END: start 3687 GT
 4859319,4859985,667,END: start 344 GT

4860285,4860990,706,START: end 331 AG
 4861288,4861321,34,END: start -1003 AG
 4861485,4862136,652
 4862395,4863089,695,END: start -871 AG-GT (ref:AG-GT)<< Possible error
 4863410,4865102,1693,START: end -86 AG
 4865455,4869656,4202
 4870444,4870568,125,END: start -1718 GT
 4870992,4873944,2953
 ID=NCLIV_030005 + 13 A..ATG
 4877456,4877529,74
 4878448,4878536,89
 4878913,4879586,674
 4880039,4880189,151
 4880767,4880866,100
 4881144,4881220,77
 4881522,4881682,161
 4881823,4882001,179
 4882313,4882511,199
 4883348,4883653,306
 4884193,4884621,429
 4884883,4885016,134
 4885264,4886527,1264
 ID=NCLIV_030020 + 7 G..ATGG
 4899701,4899930,230
 4900465,4900582,118
 4900859,4902007,1149
 4902688,4906252,3565
 4906844,4907007,164
 4907597,4907749,153
 4908270,4909073,804
 ID=NCLIV_030040 + 3 A..ATG
 4919477,4920250,774
 4920709,4920939,231
 4921531,4922121,591

CHROMOSOME VIIb – REVERSE

ID=NCLIV_023870 - 1 TCTATGG
 56687,60265,3579
 ID=NCLIV_023880 - 2 [CT]..ATG[ACT]
 62559,63382,824
 63768,65199,1432
 ID=NCLIV_023900 - 20 A..ATG
 76247,76765,519
 77340,77417,78
 77843,77890,48
 78482,78547,66
 79051,79110,60
 79419,79475,57
 80101,80292,192
 81472,81586,115
 82363,82548,186
 83096,83281,186
 83788,83994,207
 84360,84403,44
 84849,84953,105
 85345,85405,61
 86128,86189,62
 86534,86623,90
 87166,87344,179

87647,87742,96
 88111,88196,86
 89967,90340,374
 ID=NCLIV_023920 - 6 GCAATGA
 105880,106015,136,END:Starts:104728-104741-
 106618,107149,532,START: end -25 GT
 107706,108284,579,END: start -149 AG
 108769,109691,923,START: end 2 GT
 110224,110395,172,EXACT,GT
 110993,111071,79,START:Ends:112593-112591-
 ID=NCLIV_023930 - 3 CGAATGG
 113548,114191,644
 114475,114740,266
 114910,114974,65
 ID=NCLIV_023940 - 2 A..ATG
 116442,124657,8216
 125360,135749,10390
 ID=NCLIV_023950 - 6 A..ATG
 139320,139382,63,OVER:Starts:138760-138729-139696-
 139694,139803,110,END: start -934 AG (ref:AC-GT)<< Possible error
 140284,140417,134,EXACT,AG-GT
 140685,140824,140,START: end -1 GT
 141292,141427,136,END: start 1 Info:AG-GT-AG-GC-donor=GG- (ref:AC-GT)<< Possible error
 141868,143381,1514,START:Ends:144507-143177-143430-
 ID=NCLIV_023990 - 4 A..ATG
 182229,182244,16,END:Starts:181182-181122-181151-
 182385,182521,137,EXACT,AG-GT
 182643,182956,314,EXACT,AG-GT
 183630,183714,85,START:Ends:183846-183848-183853-
 ID=NCLIV_024010 - 10 CTGATGG
 190564,190656,93,OVER:Starts:188731-188818-
 191221,191265,45,EXACT,ATG:AG-GT
 191387,191498,112,EXACT,AG-GT
 191599,191690,92,EXACT,AG-GT
 192123,192192,70,EXACT,AG-GT
 192312,192389,78,EXACT,AG-GT
 192487,192548,62,EXACT,AG-GT
 192675,192768,94,EXACT,AG-GT
 192867,193384,518,EXACT,AG-GT
 193765,193815,51,OVER:Ends:194290-194266-194303-
 ID=NCLIV_024030 - 1 A..ATG
 200051,200716,666
 ID=NCLIV_024040 - 8 TCAATGG
 203087,203313,227,END:Starts:202426-202446-202384-
 203833,204214,382,EXACT,AG-GT
 204675,204773,99,EXACT,AG-GT
 204918,205064,147,START: end -34 AG-GT
 205345,205487,143,EXACT,AG-GT
 205934,206243,310,EXACT,AG-GT
 206798,206950,153,EXACT,AG-GT
 207118,207441,324,START:Starts:207118-
 ID=NCLIV_024055 - 2 A..ATG
 215614,216154,541,END:Starts:214731-216009-
 216648,216856,209,START:Ends:217718-216857-
 ID=NCLIV_024060 - 15 GCCATGA
 219805,219816,12,OVER:Starts:219163-219147-218979-
 220179,220253,75,EXACT,AG-GT
 221024,221167,144,EXACT,AG-GT
 221854,222009,156
 222610,222763,154

223015,223101,87
 223567,223681,115
 223993,224023,31
 224071,224158,88
 224294,224414,121
 224820,224970,151
 225396,225457,62
 225743,225878,136
 226335,226493,159,END: start -5 AG
 227674,227931,258,OVER:Ends:227778-228100-
 ID=NCLIV_024070 - 2 A..ATG
 230000,230100,101,END:Starts:229702-228851-
 230879,231182,304,START:Ends:231610-231638-
 ID=NCLIV_024090 - 14 A..ATG
 247336,247422,87,END:Starts:245969-246429-246382-
 247815,247894,80,START: end 479 AG-GT
 248223,248373,151,END: start -408 AG-GT
 248837,249007,171,EXACT,AG-GT
 249525,249688,164,EXACT,AG-GT
 250064,250219,156,EXACT,AG-GT
 250543,250696,154,EXACT,AG-GT
 250988,251230,243,START: end 142 GT
 251641,251765,125,END: start 1 AG (ref:AC-GT)<< Possible error
 252123,252277,155,EXACT,AG-GT
 252736,252877,142,EXACT,AG-GT
 253177,253403,227,EXACT,AG-GT
 253854,254113,260,EXACT,AG-GT
 254294,254506,213,START:EXACT
 ID=NCLIV_024110 - 7 A..ATG
 260387,260411,25,OVER:Starts:258721-258729-258720-
 260796,260868,73,END: start -2075 AG (ref:AC-GT)<< Possible error
 260979,261042,64,EXACT,AG-GT
 261625,261864,240,EXACT,AG-GT
 262072,262156,85,EXACT,AG-GT
 262399,262504,106,EXACT,AG-GT
 263075,263123,49,START:Ends:264472-264119-264343-
 ID=NCLIV_024120 - 10 A..ATG
 265258,265383,126,END:Starts:264756-264805-264782-
 265775,265846,72,EXACT,AG-GT
 266190,266239,50,EXACT,GT
 266618,266989,372
 267327,267495,169,END: start 10 AG (ref:AC-GT)<< Possible error
 267892,268161,270,EXACT,AG-GT
 268859,268908,50,EXACT,AG-GT
 269276,269339,64,EXACT,AG-GT
 269895,270244,350,EXACT,AG-GT
 270393,270699,307,START:EXACT
 ID=NCLIV_024150 - 1 A..ATG
 289480,291330,1851
 ID=NCLIV_024190 - 4 [CT]..ATG[ACT]
 305738,305850,113
 306855,309588,2734
 310523,310617,95
 311267,311324,58
 ID=NCLIV_024200 - 1 GCCATGA
 313389,313760,372
 ID=NCLIV_024220 - 12 A..ATG
 324341,324460,120
 324908,325001,94
 325087,325298,212,END: start -170 AG-GT (ref:AC-GT)<< Possible error

325410,325529,120,EXACT,AG-GT
 326229,326345,117,EXACT,AG-GT
 326950,327043,94,EXACT,AG-GT
 327537,327771,235,EXACT,AG-GT
 331343,331457,115,START: end -46 AG-GT (ref:AC-GT)<< Possible error
 331905,332143,239,EXACT,AG-GT
 332598,332776,179,EXACT,AG-GT
 333517,333673,157,EXACT,AG-GT
 334325,334571,247,START:Ends:335241-335574-
 ID=NCLIV_024240 - 12 [CT]..ATG[ACT]
 342170,342264,95,END:Starts:341306-341291-341345-
 342707,342842,136,EXACT,AG-GT
 343252,343317,66,EXACT,AG-GT
 344286,344483,198,EXACT,AG-GT
 345060,345188,129,EXACT,AG-GT
 345681,345761,81,EXACT,ATG:AG-GT
 346611,346668,58,EXACT,AG-GT
 347452,347574,123,EXACT,GT
 348109,348146,38,EXACT,AG
 348781,348816,36,EXACT,AG-GT
 349130,349206,77,EXACT,AG-GT
 349760,350501,742,START:Ends:351512-350583-352015-
 ID=NCLIV_024260 - 4 A..ATG
 357661,358118,458
 358743,359526,784
 359962,360753,792
 361193,361372,180
 ID=NCLIV_024270 - 5 A..ATG
 364262,364419,158,END:Starts:363283-363318-363241-
 365085,365161,77,EXACT,AG-GT
 365581,365638,58,EXACT,AG-GT
 366281,366443,163,EXACT,AG-GT
 367000,367128,129,START:Ends:367770-367771-
 ID=NCLIV_024290 - 5 A..ATG
 371284,371402,119,OVER:Starts:371762-370647-370646-
 371931,371981,51,END: start -1284 AG (ref:AC-GT)<< Possible error
 372545,372678,134,EXACT,TAG|TGA|TAA:AG-GT
 373128,373257,130,START: end -12 GT
 374055,374487,433
 ID=NCLIV_024320 - 3 A..ATG
 396005,396056,52,END:Starts:395551-395585-395538-
 396341,396418,78,EXACT,AG-GT
 396831,396928,98,START:EXACT
 ID=NCLIV_024350 - 1 [CT]..ATG[ACT]
 427334,427777,444
 ID=NCLIV_024370 - 7 A..ATG
 438539,438770,232,END:Starts:437458-437384-434990-
 439164,439273,110,EXACT,AG-GT
 439606,439737,132,EXACT,AG-GT
 440372,440524,153,EXACT,AG-GT
 440922,441156,235,EXACT,AG-GT
 441688,441869,182,EXACT,AG-GT
 442803,442976,174,START:Ends:443228-443869-
 ID=NCLIV_024380 - 8 A..ATG
 444914,445119,206,END:Starts:444653-444659-444526-
 445591,445771,181,EXACT,AG-GT
 446301,446621,321,EXACT,AG-GT
 447006,447224,219,EXACT,AG-GT
 447639,447809,171,EXACT,AG-GT
 448074,448279,206,EXACT,AG-GT

448604,448804,201,EXACT,AG-GT
449304,449430,127,START:Ends:450311-450279-
ID=NCLIV_024410 - 3 A..ATG
460235,460345,111,END:Starts:459862-459846-
460999,461202,204,EXACT,AG-GT
461989,461991,3,START:Ends:462087-462151-462082-
ID=NCLIV_024430 - 9 A..ATG
469743,470980,1238,WITHIN:Starts:469402-470277-
471551,472106,556,END: start 35 AG
472515,472622,108,EXACT,AG-GT
473174,473340,167,EXACT,GT
473868,474061,194
474597,474967,371
475653,475822,170
476707,476798,92
477082,479663,2582
ID=NCLIV_024470 - 3 A..ATG
506884,507260,377
507799,507904,106,END: start -356 AG
508510,508836,327,START:Ends:509454-509241-509452-
ID=NCLIV_024490 - 9 A..ATG
516205,516369,165,END:Starts:515558-515484-515565-
516584,516658,75,EXACT,AG-GT
517156,517222,67,EXACT,AG-GT
517738,517850,113,EXACT,AG-GT
518460,518530,71,EXACT,AG-GT
518831,518990,160,EXACT,AG-GT
519345,520121,777,EXACT,AG-GT
520690,520901,212,EXACT,AG-GT
521406,521544,139,START:Ends:521682-521720-521916-
ID=NCLIV_024520 - 26 A..ATG
539995,540077,83,OVER:Starts:540273-538822-
540291,540792,502,END: start -1469 AG
540848,540957,110
541016,541149,134
541224,541338,115
541380,541472,93
541534,541632,99
541688,541832,145,START: end 46 GT
541888,541939,52
541997,542261,265
542317,542416,100
542474,542556,83
542614,542787,174
542941,543033,93
543091,543152,62
543213,543279,67
543338,543379,42
543438,543506,69
543564,543632,69
543692,543840,149
543899,544130,232
544191,544313,123
544387,544447,61
544508,544667,160
544725,544814,90
544882,545081,200
ID=NCLIV_024530 - 2 [CT]..ATG[ACT]
547067,547581,515,END:Starts:546948-546980-546942-
547678,547858,181,START:EXACT

ID=NCLIV_024560 - 15 [CT]..ATG[ACT]
 562530,562626,97,END:Starts:561726-562154-562091-
 562986,563970,985,START: end 1 GT
 564246,564322,77,END: start 2 AG
 565070,565180,111,EXACT,AG-GT
 565432,565499,68,EXACT,AG-GT
 566037,566120,84,EXACT,AG-GT
 566495,566686,192,START: end -126 AG-GT
 567141,567198,58,EXACT,AG-GT
 567473,567693,221,START: end 11 GT
 568234,568329,96
 568759,569462,704,END: start 230 AG
 569886,570260,375,START: end 222 GT
 571867,571941,75
 572305,572499,195
 573167,574310,1144
 ID=NCLIV_024570 - 1 A..ATG
 577133,578074,942
 ID=NCLIV_024580 - 1 GACATGA
 580389,582026,1638
 ID=NCLIV_024590 - 8 CAGATGG
 584380,584433,54,END:Starts:583973-583948-584029-
 585019,585059,41,START: end 2 Info:AG-GT-acceptor=GC-ATG:AG-GT-
 585403,585506,104,START: end -10 GT
 587205,587286,82,EXACT,AG-GT
 588202,588249,48,EXACT,AG-GT
 588856,588912,57,EXACT,AG-GT
 589165,589259,95,EXACT,AG-GT
 589976,590136,161,START:Ends:590953-590974-
 ID=NCLIV_024610 - 1 A..ATG
 599298,600515,1218,OVER:Starts:598802-598759-
 ID=NCLIV_024630 - 6 A..ATG
 605715,606045,331,END:Starts:604451-604934-604462-
 606298,606403,106,START: end 868 AG
 606629,606818,190,OVER: start -331 and end 453 AG
 607134,607271,138,END: start -836 AG
 607575,607645,71,EXACT,AG-GT
 608775,608811,37,START:Ends:609145-609136-
 ID=NCLIV_024640 - 9 A..ATG
 611479,611572,94,END:Starts:610613-610469-610251-
 611965,612046,82,EXACT,AG-GT
 612396,612442,47,EXACT,AG-GT
 613012,613076,65,EXACT,AG-GT
 613660,613707,48,EXACT,ATG:AG-GT
 614598,614685,88,EXACT,AG-GT
 614985,615031,47,EXACT,ATG:AG-GT
 615418,615526,109,EXACT,AG-GT
 616138,616409,272,START:Ends:616480-616560-616938-
 ID=NCLIV_024670 - 1 A..ATG
 635880,639050,3171
 ID=NCLIV_024710 - 1 TTCATGG
 667721,670774,3054,OVER:Ends:665966-670831-
 ID=NCLIV_024730 - 8 CAGATGG
 686295,686538,244
 686935,687144,210
 687597,687728,132
 687892,688028,137
 688385,688499,115
 689131,689240,110
 689631,689807,177

690225,690317,93,OVER:Starts:689520-693005-690169-
ID=NCLIV_024740 - 11 A..ATG
693521,693756,236,END:Starts:689520-693005-690169-
694328,694436,109,EXACT,AG-GT
695150,695269,120,END: start -168 AG-GC (ref:AC-GT)<< Possible error
695705,695943,239,EXACT,AG-GT
696245,696365,121,EXACT,AG-GT
696948,697033,86,EXACT,AG-GT
697577,697732,156,EXACT,AG-GT
698448,698585,138,EXACT,AG-GT
699078,699209,132,EXACT,AG-GT
699364,700102,739,EXACT,AG-GT
700717,700941,225,START:Ends:702051-703385-704557-
ID=NCLIV_024750 - 6 A..ATG
704305,704412,108
704803,704887,85
705704,705789,86
706243,706302,60
706586,706679,94
707268,707308,41
ID=NCLIV_024770 - 15 CCCATGG
717388,717738,351,END:EXACT
718031,718092,62,EXACT,AG-GT
718431,718506,76,EXACT,AG-GT
718659,718929,271,EXACT,AG-GT
719061,719137,77,EXACT,AG-GT
719509,719685,177,EXACT,AG-GT
720366,720437,72,END: start -42 AG-GC (ref:AC-GT)<< Possible error
720890,721226,337,EXACT,AG-GT
721482,721744,263,EXACT,AG-GT
722212,722358,147,EXACT,AG-GT
722862,723008,147,EXACT,AG-GT
723573,723668,96,EXACT,AG-GT
723912,724001,90,EXACT,AG-GT
724983,726634,1652,START: end 3066 GT
726941,727196,256,OVER:Ends:727939-729700-
ID=NCLIV_024790 - 1 A..ATG
737293,738756,1464
ID=NCLIV_024810 - 15 A..ATG
743838,744471,634,END:Starts:743346-742958-743634-
744667,744886,220,EXACT,AG-GT
745327,745531,205,EXACT,AG-GT
746025,746224,200,EXACT,AG-GT
746688,746817,130,EXACT,AG-GT
747124,747278,155,EXACT,AG-GT
747758,747868,111,START: end 1 GT
748790,748849,60
749348,749588,241
749932,749997,66,END: start 7 AG
750557,750668,112,EXACT,AG-GT
751064,751268,205,EXACT,AG-GT
751945,752076,132,EXACT,AG-GT
752494,752656,163
753203,753448,246
ID=NCLIV_024860 - 18 GCGATGT
780262,780714,453,END:EXACT
781038,781107,70,EXACT,AG-GT
781584,781635,52,EXACT,AG-GT
782049,782652,604,EXACT,AG-GT
782939,783102,164,EXACT,AG-GT

783475,783634,160,EXACT,AG-GT
783921,784031,111,EXACT,AG-GT
784481,784553,73,START: end 29 AG-GT
785259,785451,193,END: start -19 AG-GT
785890,786139,250,EXACT,AG-GT
786692,786795,104,EXACT,AG-GT
787062,787131,70,EXACT,AG-GT
787987,788174,188,EXACT,AG-GT
788492,788828,337,EXACT,AG-GT
789581,789786,206,EXACT,AG-GT
790066,790185,120,EXACT,AG-GT
790570,790739,170,EXACT,TAG|TGA|TAA:AG-GT
791471,791691,221,START:Ends:792541-792562-
ID=NCLIV_024870 - 3 A..ATG
795102,795233,132,END:Starts:794441-794959-794958-
796210,796476,267,EXACT,AG-GT
796812,797051,240,START:EXACT
ID=NCLIV_024930 - 3 CAAATGG
819849,820590,742,END:EXACT
821133,821175,43,EXACT,AG-GT
821485,825262,3778,START:Ends:826416-825517-826608-
ID=NCLIV_024950 - 5 G..ATGG
833440,834856,1417
835205,835331,127
835456,835579,124,END: start -1 AG (ref:AC-GT)<< Possible error
835689,835938,250,EXACT,AG-GT
836071,836168,98,START:EXACT
ID=NCLIV_024990 - 3 GCAATGT
863470,863526,57,END:Starts:862806-862960-862995-
863916,864023,108,EXACT,AG-GT
864723,864896,174,START:Ends:867247-865784-865787-
ID=NCLIV_025010 - 5 GCAATGC
877063,877304,242,END:Starts:875503-876912-874106-
877712,877914,203,EXACT,AG-GT
878343,878552,210,EXACT,AG-GT
878696,878981,286,EXACT,AG-GT
879285,879357,73,START:EXACT
ID=NCLIV_025030 - 25 A..ATG
892951,893147,197,END:Starts:891983-892006-892074-
893266,893585,320,START: end -60 AG-GT
893834,894067,234,EXACT,AG-GT
894263,894552,290,EXACT,AG-GT
894863,895015,153,EXACT,AG-GT
895386,895914,529,EXACT,AG-GT
896228,896355,128,EXACT,AG-GT
896607,896788,182,EXACT,AG-GT
897341,897598,258,EXACT,AG-GT
897706,897879,174,EXACT,AG-GT
898381,898741,361,EXACT,AG-GT
898967,899538,572,EXACT,AG-GT
899738,900097,360,EXACT,AG-GT
900476,900982,507,EXACT,AG-GT
901120,901260,141,EXACT,AG-GT
901775,902217,443,EXACT,AG-GT
902801,902977,177,EXACT,AG-GT
903461,903618,158,EXACT,AG-GT
903999,904514,516,EXACT,AG-GT
905513,905856,344,START: end -2 GT
906329,906839,511,END: start 13 AG
907376,907519,144,EXACT,AG-GT

908137,908358,222,EXACT,AG-GT
 908968,909147,180,EXACT,AG-GT
 909630,910409,780,START:Ends:912274-912259-
 ID=NCLIV_025050 - 5 G..ATGG
 918009,918627,619
 919376,919601,226
 920102,920837,736
 921303,921799,497
 922265,922838,574
 ID=NCLIV_025070 - 2 A..ATG
 950519,950623,105,END:EXACT
 951496,952146,651,START:Ends:952625-952612-952629-
 ID=NCLIV_025080 - 7 G..ATGG
 954037,954102,66
 955159,955204,46
 955529,955679,151
 955938,956016,79
 956928,957070,143
 957624,958017,394
 958404,958562,159
 ID=NCLIV_025090 - 8 A..ATG
 961588,962490,903
 962935,963283,349
 963452,963647,196,EXACT,AG
 963947,964052,106,EXACT,AG-GT
 964224,964594,371,START: end -43 GT
 964865,964944,80
 965483,965659,177
 965930,969207,3278
 ID=NCLIV_025110 - 1 A..ATG
 979828,981435,1608
 ID=NCLIV_025120 - 1 A..ATG
 989958,992072,2115
 ID=NCLIV_025130 - 5 [CT]..ATG[ACT]
 994396,994401,6,END:Starts:994179-994186-994190-
 994844,995042,199,EXACT,AG-GT
 995216,995396,181,EXACT,AG-GT
 996244,996327,84,EXACT,AG-GT
 997718,997733,16,START:Ends:997801-998702-997824-
 ID=NCLIV_025150 - 10 A..ATG
 1004212,1004252,41
 1004601,1005213,613,EXACT,GT
 1005686,1005808,123,EXACT,AG
 1006239,1006422,184,EXACT,AG-GT
 1007138,1007678,541,START: end 1 GT
 1008067,1008337,271,EXACT,Stop Codon:AG-GT
 1008743,1009084,342,EXACT,AG-GT
 1009667,1009717,51,EXACT,AG-GT
 1010094,1010828,735,EXACT,AG-GT
 1011367,1013148,1782,START:Ends:1013942-1011627-
 ID=NCLIV_025180 - 1 A..ATG
 1020200,1023169,2970
 ID=NCLIV_025181 - 1 GGCATGC
 1024996,1025868,873
 ID=NCLIV_025185 - 1 A..ATG
 1028837,1029742,906
 ID=NCLIV_025200 - 7 GCCATGA
 1036554,1036715,162,END:Starts:1036004-1036122-1036148-
 1037130,1037229,100,EXACT,AG-GT
 1037495,1037931,437,START: end 112 GT

1038530,1038760,231
 1039097,1039377,281
 1039615,1039884,270
 1040152,1041040,889
 ID=NCLIV_025230 - 5 GGCATGC
 1055855,1056175,321
 1056618,1056761,144
 1056875,1056955,81
 1057597,1057680,84
 1058002,1058154,153
 ID=NCLIV_025260 - 1 CAAATGG
 1077300,1080146,2847
 ID=NCLIV_025270 - 8 [CT]..ATG[ACT]
 1082354,1082517,164
 1082764,1082866,103
 1085394,1085531,138
 1086072,1086647,576
 1087296,1087444,149
 1088035,1088277,243
 1089023,1089143,121
 1090833,1090871,39
 ID=NCLIV_025290 - 2 A..ATG
 1103767,1106169,2403,END:Starts:1105476-1106024-
 1106520,1108340,1821,START:Ends:1106895-1108271-
 ID=NCLIV_025300 - 5 A..ATG
 1112858,1112879,22,END:Starts:1111274-1111252-
 1113540,1113667,128,EXACT,AG-GT
 1114173,1114277,105,EXACT,AG-GT
 1114778,1114845,68,EXACT,AG-GT
 1115315,1117478,2164,START:Ends:1118656-1115511-1118676-
 ID=NCLIV_025320 - 5 GTCATGA
 1135061,1135164,104
 1135933,1136018,86
 1136443,1136492,50,END: start 14 AG
 1136838,1137015,178,EXACT,AG-GT
 1137502,1138001,500,START:Ends:1137921-1138545-
 ID=NCLIV_025340 - 5 G..ATGG
 1145232,1145432,201,END:Starts:1144030-1144056-1143969-
 1145748,1145962,215,START: end 4 GT
 1146221,1146349,129,END: start 15 AG (ref:AC-GT)<< Possible error
 1146888,1147009,122,EXACT,AG-GT
 1147273,1147397,125,START:EXACT
 ID=NCLIV_025380 - 6 G..ATGG
 1166248,1166403,156,END:Starts:1165627-1165726-1165659-
 1166553,1166723,171,EXACT,AG-GT
 1167093,1167858,766,EXACT,AG-GT
 1168253,1168654,402,EXACT,AG-GT
 1168998,1169664,667,EXACT,AG-GT
 1170304,1172980,2677,START:Ends:1174212-1174171-
 ID=NCLIV_025390 - 1 [CT]..ATG[ACT]
 1175751,1177352,1602
 ID=NCLIV_0254- 6 A..ATG
 1196706,1201309,4604,END:EXACT
 1201799,1202486,688,EXACT,AG-GT
 1203271,1203453,183,EXACT,AG-GT
 1203725,1203941,217,EXACT,AG-GT
 1204443,1205369,927,EXACT,AG-GT
 1205771,1207584,1814,START:Ends:1208722-1209026-
 ID=NCLIV_025430 - 9 A..ATG
 1226804,1227083,280,END:Starts:1224754-1224978-1224957-

1227476,1227699,224,START: end 100 AG-GT
1228328,1228459,132,EXACT,AG-GT
1228848,1229228,381,EXACT,ATG:AG-GT
1229563,1229877,315,EXACT,AG-GT
1230523,1230776,254,EXACT,AG-GT
1231057,1231264,208,EXACT,AG-GT
1231852,1232021,170,EXACT,AG-GT
1232551,1234786,2236,START:Ends:1235696-1235671-1235765-
ID=NCLIV_025450 - 7 A..ATG
1251043,1251183,141,END:Starts:1247179-1250617-1249404-
1251487,1251714,228,EXACT,AG-GT
1252057,1252214,158,EXACT,AG-GT
1252315,1252399,85,EXACT,AG-GT
1252729,1252941,213,EXACT,AG-GT
1253590,1254078,489,START: end 1114 GT
1255287,1255439,153
ID=NCLIV_025460 - 3 [CT]..ATG[ACT]
1257695,1258420,726,END:EXACT
1258820,1258949,130,EXACT,AG-GT
1259241,1259431,191,START:EXACT
ID=NCLIV_025480 - 9 [CT]..ATG[ACT]
1263737,1263868,132,END:Starts:1260698-1263348-1262164-
1264343,1264531,189,EXACT,AG-GT
1265093,1265202,110,EXACT,AG-GT
1265636,1265876,241,EXACT,AG-GT
1266554,1266803,250,EXACT,AG-GT
1267143,1267435,293,EXACT,AG-GT
1267863,1268006,144,EXACT,AG-GT
1268516,1269141,626,EXACT,AG-GT
1269763,1270192,430,START:Ends:1272814-1273001-
ID=NCLIV_025500 - 8 CGAATGG
1282002,1282034,33,END:Starts:1281724-1281702-1281627-
1282288,1282364,77,EXACT,ATG:AG-GT
1282661,1283406,746,EXACT,AG-GT
1284255,1284446,192,EXACT,AG-GT
1284914,1285416,503,EXACT,AG-GT
1285691,1286270,580,EXACT,AG-GT
1286664,1286864,201,START: end 1530 GT
1287147,1287640,494,OVER:Ends:1288394-1287138-1289414-
ID=NCLIV_025530 - 7 A..ATG
1305733,1306251,519,END:Starts:1304854-1305381-1304800-
1306550,1306681,132,EXACT,AG-GT
1307167,1307516,350,EXACT,AG-GT
1307650,1307807,158,EXACT,AG-GT
1308269,1308377,109,EXACT,AG-GT
1308802,1308936,135,EXACT,AG-GT
1309334,1309406,73,START:EXACT
ID=NCLIV_025560 - 11 A..ATG
1319053,1319093,41,END:Starts:1318787-1318697-1318521-
1319515,1319569,55,START: end 3 AG-GT
1320009,1320056,48,EXACT,AG-GT
1320636,1320740,105,EXACT,ATG:AG-GT
1321324,1321497,174,EXACT,AG-GT
1321942,1322046,105,EXACT,AG-GT
1322327,1322467,141,EXACT,AG-GT
1322948,1322997,50,EXACT,ATG:AG-GT
1323274,1323340,67,EXACT,AG-GT
1323730,1323933,204,EXACT,AG-GT
1324268,1324462,195,START:Ends:1325133-1325756-
ID=NCLIV_025590 - 4 A..ATG

1342141,1342979,839
1344275,1344379,105,EXACT,GT
1344752,1345957,1206
1346258,1347785,1528
ID=NCLIV_025610 - 4 TTTATGG
1354858,1355057,200,END:Starts:1352907-1352895-1352794-
1355341,1355386,46,EXACT,AG-GT
1355807,1356023,217,EXACT,AG-GT
1356692,1357026,335,START:Ends:1358734-1358074-1358560-
ID=NCLIV_025620 - 3 [CT]..ATG[ACT]
1361466,1361914,449,WITHIN:EXACT
1362684,1362958,275,OVER: start -384 and end 86 AG-GT (ref:AC-GT)<< Possible error
1363394,1366005,2612,START:Ends:1368970-1364399-1368952-
ID=NCLIV_025660 - 15 A..ATG
1387609,1387911,303,END:Starts:1377716-1387149-1387287-
1388267,1388391,125,EXACT,AG-GT
1388715,1388791,77,START: end 3 GT
1389200,1389236,37,END: start 7 AG
1389371,1389438,68,EXACT,AG-GT
1390165,1390235,71,EXACT,AG-GT
1390575,1390691,117,EXACT,AG-GT
1391254,1391485,232,START: end -4 GT
1392002,1392060,59
1392703,1392780,78
1393448,1393495,48,EXACT,AG
1393794,1393865,72,EXACT,AG-GT
1394845,1394902,58,EXACT,AG-GT
1394992,1395007,16
1396102,1396813,712,START:EXACT
ID=NCLIV_025670 - 4 A..ATG
1404406,1405481,1076,END:Starts:1404017-1404155-1404122-
1405775,1405916,142,EXACT,AG-GT
1406294,1406382,89,START: end 12 GT
1407192,1407570,379
ID=NCLIV_025690 - 20 A..ATG
1421584,1421694,111,END:Starts:1419848-
1421907,1422038,132,EXACT,AG-GT
1422521,1422613,93,EXACT,AG-GT
1423209,1423457,249,EXACT,AG-GT
1423758,1423990,233,EXACT,AG-GT
1424193,1424475,283,EXACT,ATG:AG-GT
1424748,1424902,155,EXACT,AG-GT
1425358,1425461,104,EXACT,AG-GT
1425794,1426447,654,EXACT,AG-GT
1427041,1428390,1350,START: end -844 GT
1428747,1429051,305,END: start -2 AG
1429415,1429702,288,EXACT,AG-GT
1430076,1430273,198,EXACT,AG-GT
1430323,1430767,445,END: start 306 AG-GC
1431272,1431413,142,START: end 104 GT
1431876,1431929,54,END: start 33 Info:AG-GT-AG-GC-
1432447,1432924,478,EXACT,AG-GT
1433337,1433811,475,EXACT,ATG:AG-GT
1434384,1434460,77,EXACT,AG-GT
1434802,1435623,822,START:Ends:1438373-1436140-1437388-
ID=NCLIV_025710 - 8 G..ATGG
1446474,1446517,44,END:Starts:1445143-1446164-1443837-
1447368,1447427,60,START: end 801 AG-GT
1447998,1448228,231,END: start -630 AG-GT
1448751,1449005,255,EXACT,AG-GT

1449430,1449567,138,EXACT,AG-GT
 1450037,1450168,132,EXACT,AG-GT
 1450549,1450686,138,EXACT,AG-GT
 1450961,1450985,25,START:Ends:1451833-1451372-
 ID=NCLIV_025730 - 7 [CT]..ATG[ACT]
 1468796,1469628,833,END:Starts:1468509-1468523-1468430-
 1469835,1470052,218,EXACT,AG-GT
 1470404,1470684,281,START: end 195 AG-GT (ref:AC-GT)<< Possible error
 1471093,1471172,80,EXACT,AG-GT
 1471687,1471936,250,EXACT,AG-GT
 1472349,1472803,455,EXACT,AG-GT
 1473351,1473546,196,START:Ends:1474307-1474315-1474270-
 ID=NCLIV_025740 - 1 A..ATG
 1476943,1477305,363
 ID=NCLIV_025760 - 6 A..ATG
 1489193,1489312,120,END:Starts:1486913-1486976-1489040-
 1489510,1489662,153,EXACT,AG-GT
 1490018,1490136,119,EXACT,AG-GT
 1490495,1491088,594,EXACT,AG-GT
 1491390,1491581,192,EXACT,AG-GT
 1492056,1492227,172,START:Ends:1494242-1494679-
 ID=NCLIV_025790 - 4 [CT]..ATG[ACT]
 1500290,1500300,11,OVER:Starts:1497524-1497600-
 1500804,1501020,217,EXACT,AG-GT
 1501396,1501529,134,EXACT,AG-GT
 1501916,1502153,238,START:Ends:1502727-1502705-
 ID=NCLIV_025800 - 11 GCCATGC
 1504512,1504625,114,END:Starts:1503940-1503844-1503877-
 1505310,1505684,375,START: end -3 GT
 1505870,1507164,1295
 1507641,1508419,779
 1508678,1508788,111
 1509022,1509139,118
 1509560,1509777,218
 1510131,1510217,87
 1510854,1510963,110,END: start -3 AG
 1511595,1511727,133,EXACT,AG-GT
 1512121,1513118,998,START:Ends:1512439-1513340-
 ID=NCLIV_025820 - 5 CTGATGG
 1521629,1523227,1599,END:Starts:1523079-1521399-
 1523759,1523854,96
 1524063,1528297,4235,EXACT,Code:INTERNAL-
 1528695,1529297,603,START: end 48 GT
 1530067,1531459,1393
 ID=NCLIV_025840 - 3 A..ATG
 1533593,1534780,1188
 1536268,1536327,60
 1538564,1539511,948
 ID=NCLIV_025850 - 4 A..ATG
 1540119,1540135,17
 1540562,1540636,75
 1540864,1541001,138
 1541244,1541388,145
 ID=NCLIV_025870 - 5 A..ATG
 1545207,1545342,136,END:Starts:1544023-1544211-1544085-
 1545651,1545718,68,EXACT,AG-GT
 1546160,1546333,174,START: end 3 GT
 1546611,1546702,92,END: start 9 AG
 1547121,1547412,292,START:Ends:1548360-1548368-
 ID=NCLIV_025910 - 1 A..ATG

1571538,1571945,408
ID=NCLIV_025930 - 6 A..ATG
1581468,1581721,254
1581776,1581871,96
1581928,1581957,30
1582011,1582089,79
1582150,1582257,108
1582311,1583543,1233
ID=NCLIV_025950 - 1 TACATGG
1586702,1588645,1944
ID=NCLIV_025960 - 13 A..ATG
1595359,1595741,383,END:Starts:1595098-1595119-1595097-
1596188,1596356,169,EXACT,AG-GT
1596729,1596854,126,EXACT,AG-GT
1597098,1597270,173,EXACT,AG-GT
1597541,1597643,103,EXACT,AG-GT
1598080,1598336,257,EXACT,GT
1598602,1598794,193,END: start 1 AG (ref:AC-GT)<< Possible error
1599204,1599293,90,EXACT,AG-GT
1599774,1599904,131,EXACT,AG-GT
1600222,1600324,103,END: start 8 AG (ref:AC-GT)<< Possible error
1600647,1600847,201,EXACT,AG-GT
1601219,1601416,198,EXACT,AG-GT
1602430,1602459,30,START:Ends:1603065-1603195-
ID=NCLIV_025970 - 3 [CT]..ATG[ACT]
1605090,1605245,156,END:Starts:1603279-1603717-1603322-
1605613,1606472,860,EXACT,AG-GT
1606991,1607000,10
ID=NCLIV_025990 - 7 A..ATG
1611306,1611911,606,END:Starts:1610246-1610240-
1612441,1612664,224,EXACT,AG-GT
1612902,1613003,102,EXACT,AG-GT
1613436,1613672,237,START: end 155 AG-GT
1614001,1614090,90,EXACT,AG-GT
1614447,1614645,199,EXACT,AG-GT
1614843,1614902,60,START:Ends:1617949-1618139-
ID=NCLIV_026010 - 9 A..ATG
1630979,1631164,186,END:EXACT
1631558,1631681,124,EXACT,AG-GT
1632159,1632377,219,EXACT,AG-GT
1633617,1633966,350,EXACT,AG-GT
1634281,1634445,165,EXACT,AG-GT
1635058,1635165,108,EXACT,AG-GT
1635640,1635790,151,EXACT,AG-GT
1636397,1636504,108,EXACT,AG-GT
1636876,1637090,215,START:Ends:1637733-1637693-1637734-
ID=NCLIV_026030 - 3 A..ATG
1641657,1641694,38,END:Starts:1639389-1641093-1639395-
1642074,1642187,114,EXACT,AG-GT
1642931,1643027,97,START:Ends:1643808-1643807-1643821-
ID=NCLIV_026040 - 12 CTCATGG
1645885,1645926,42,END:Starts:1645582-1645580-1645583-
1646100,1646218,119,EXACT,AG-GT
1646386,1646533,148,EXACT,AG-GT
1647067,1647199,133,EXACT,AG-GT
1647791,1647977,187,EXACT,AG-GT
1648343,1648533,191,EXACT,AG-GT
1649037,1649209,173,EXACT,AG-GT
1649469,1649562,94,EXACT,AG-GT
1649907,1650030,124,EXACT,AG-GT

1650309,1650414,106,EXACT,AG-GT
 1650853,1651044,192,EXACT,AG-GT
 1651524,1651631,108,START:Ends:1652184-1652166-
 ID=NCLIV_026050 - 8 [CT]..ATG[ACT]
 1654917,1655049,133,END:Starts:1653738-1653936-1653732-
 1655386,1656519,1134,EXACT,AG-GT
 1657104,1657234,131,EXACT,AG-GT
 1657828,1658109,282,EXACT,AG-GT
 1658475,1658641,167,EXACT,AG-GT
 1659040,1659639,600,EXACT,AG-GT
 1659969,1660136,168,EXACT,AG-GT
 1660289,1660334,46
 ID=NCLIV_026080 - 2 A..ATG
 1674869,1676910,2042,END:Starts:1673986-1674008-1674007-
 1677406,1678690,1285,START:Ends:1677693-1678780-
 ID=NCLIV_026100 - 4 A..ATG
 1685554,1685879,326,END:Starts:1683842-1684598-1683838-
 1686265,1686663,399,EXACT,AG-GT
 1687422,1687865,444,EXACT,AG-GT
 1688231,1688465,235,START:Ends:1689774-1689674-1689852-
 ID=NCLIV_026110 - 2 A..ATG
 1691989,1692195,207,END:Starts:1689953-1689991-1689963-
 1692600,1692782,183,START:Ends:1693736-1693734-1694098-
 ID=NCLIV_026120 - 8 GGCATGC
 1696927,1697084,158
 1697556,1697706,151,END: start 35 AG (ref:AC-GT)<< Possible error
 1698058,1698199,142,START: end 4 GT
 1698522,1698879,358,EXACT,AG-GT
 1699437,1699624,188,EXACT,AG-GT
 1700346,1700436,91,EXACT,AG-GT
 1700963,1701111,149,EXACT,AG-GT
 1701243,1704964,3722,START:Ends:1708152-1706202-1708064-
 ID=NCLIV_026130 - 10 A..ATG
 1711079,1711823,745,END:Starts:1710377-1710441-1710327-
 1712053,1712285,233,EXACT,AG-GT
 1712662,1712809,148,EXACT,ATG:AG-GT
 1713142,1713243,102,START: end 432 AG-GT
 1713710,1713790,81,EXACT,AG-GT
 1714194,1714282,89,START: end -45 GT
 1714686,1714855,170
 1715503,1715624,122
 1716167,1716305,139
 1716952,1717057,106
 ID=NCLIV_026140 - 1 A..ATG
 1721894,1722274,381
 ID=NCLIV_026160 - 8 A..ATG
 1727868,1728462,595,END:Starts:1726259-1725870-1726427-
 1728798,1728937,140,EXACT,AG-GT
 1729204,1729358,155,START: end 446 AG-GT
 1729627,1729804,178,END: start -423 AG-GT
 1729998,1730201,204,EXACT,AG-GT
 1730447,1730818,372,EXACT,AG-GT
 1731171,1731359,189,EXACT,AG-GT
 1731801,1734071,2271,START:Starts:1731801-
 ID=NCLIV_026170 - 3 CAGATGG
 1741575,1741672,98,END:Starts:1740195-1740230-1738396-
 1742212,1742359,148,EXACT,TAG|TGA|TAA:AG-GT
 1742735,1742926,192,START:EXACT
 ID=NCLIV_026190 - 8 A..ATG
 1753549,1754211,663

1754712,1754873,162
1755303,1755312,10
1755779,1756077,299
1756425,1756506,82
1757162,1757230,69
1757662,1757751,90
1758228,1759663,1436
ID=NCLIV_026220 - 6 A..ATG
1789643,1789749,107,END:Starts:1787471-1788918-1788219-
1790506,1790565,60,EXACT,AG-GT
1790930,1791044,115,EXACT,AG-GT
1791259,1791510,252,START: end -1 GT
1791888,1792370,483,END: start 3 AG (ref:AC-GT)<< Possible error
1792762,1793406,645,START:Ends:1794214-1793595-1794201-
ID=NCLIV_026240 - 1 A..ATG
1810350,1811021,672
ID=NCLIV_026260 - 46 [CT]..ATG[ACT]
1822764,1822833,70,END:Starts:1820475-1822247-1822283-
1823175,1823815,641,EXACT,AG-GT
1824021,1824185,165,EXACT,AG-GT
1825283,1825598,316,EXACT,AG-GT
1826002,1826183,182,EXACT,TAG|TGA|TAA:AG-GT
1826922,1827119,198,EXACT,AG-GT
1827916,1828050,135,EXACT,AG-GT
1828590,1828884,295,EXACT,AG-GT
1829148,1829359,212,EXACT,AG-GT
1830222,1830553,332,EXACT,AG-GT
1830980,1831226,247,EXACT,AG-GT
1831487,1831687,201,EXACT,AG-GT
1832105,1832377,273,START: end 208 GT
1832768,1832920,153,END: start -56 AG
1833531,1833821,291,EXACT,AG-GT
1834144,1834291,148,EXACT,AG-GT
1834852,1835039,188,EXACT,AG-GT
1835364,1835531,168,EXACT,AG-GT
1836447,1836818,372,START: end 263 GT
1837624,1837806,183
1838310,1838634,325
1839104,1839319,216
1839853,1840145,293
1840504,1840796,293
1841564,1841777,214
1841987,1842256,270
1842605,1842977,373
1843743,1844457,715
1845206,1845504,299
1845969,1846269,301
1846633,1846993,361,END: start 17 AG (ref:AC-GT)<< Possible error
1847643,1848335,693,EXACT,GT
1848887,1849087,201,EXACT,AG-GT
1849509,1850079,571
1850443,1850621,179,EXACT,AG
1851111,1851347,237,EXACT,AG-GT
1852009,1852239,231,EXACT,AG-GT
1852905,1853124,220,EXACT,AG-GT
1853846,1854045,200,START: end -1 GT
1854909,1855187,279,END: start -106 AG
1855595,1855848,254,EXACT,AG-GT
1856392,1856648,257,EXACT,GT
1857149,1857538,390

1858106,1858140,35
1858806,1858990,185
1859543,1859639,97
ID=NCLIV_026270 - 8 A..ATG
1868285,1868338,54,END:EXACT
1869259,1869345,87,EXACT,AG-GT
1869607,1869717,111,EXACT,AG-GT
1870144,1870242,99,EXACT,AG-GT
1870748,1871062,315,EXACT,AG-GT
1871594,1871779,186,END: start -102 AG-GT (ref:AC-GT)<< Possible error
1872258,1872355,98,EXACT,AG-GT
1872899,1873076,178,START:Ends:1873542-1873500-1873520-
ID=NCLIV_026300 - 3 A..ATG
1888663,1888844,182,END:Starts:1885829-1888462-1887694-
1889355,1889580,226,EXACT,AG-GT
1892635,1892736,102,START:Ends:1893129-1893134-
ID=NCLIV_026340 - 3 A..ATG
1923741,1923947,207,END:Starts:1922979-1923051-1922977-
1924307,1924461,155,EXACT,AG-GT
1925264,1925435,172,START:Ends:1926883-1925444-1926946-
ID=NCLIV_026350 - 3 G..ATGG
1929507,1930079,573,END:Starts:1927769-1927737-1927402-
1930739,1930893,155,EXACT,ATG:AG-GT
1931144,1931288,145,START:Ends:1932670-1931612-1932700-
ID=NCLIV_026390 - 5 A..ATG
1962761,1962810,50,END:Starts:1962070-1962083-1962062-
1963578,1963647,70,EXACT,AG-GT
1964090,1964211,122,START: end 499 GT
1964597,1964711,115
1965270,1965500,231
ID=NCLIV_026420 - 5 TGCATGG
1987153,1988486,1334,OVER:Starts:1985583-1985591-1985590-
1989465,1990658,1194,EXACT,AG-GT
1991238,1991542,305,EXACT,AG-GT
1991944,1992180,237,EXACT,AG-GT
1992689,1993941,1253,START:Ends:1994589-1994579-
ID=NCLIV_026430 - 10 A..ATG
1997913,1997939,27,END:Starts:1997164-1997123-
1998351,1998541,191,END: start -6 AG-GT (ref:AC-GT)<< Possible error
1998809,1998901,93,EXACT,AG-GT
1999270,1999428,159,EXACT,AG-GT
1999738,1999843,106,EXACT,AG-GT
2000202,2000427,226,EXACT,AG-GT
2001524,2001610,87,EXACT,AG-GT
2001884,2002091,208,EXACT,AG-GT
2002474,2002666,193,EXACT,AG-GT
2003492,2004046,555,START:Ends:2005296-2004289-
ID=NCLIV_026440 - 2 A..ATG
2008735,2008838,104,END:Starts:2007754-2007760-2007685-
2009428,2009587,160,START:Ends:2010810-2010368-2010997-
ID=NCLIV_026480 - 16 [CT]..ATG[ACT]
2044230,2044316,87,END:EXACT
2044731,2044793,63,START: end 560 GT
2045578,2045691,114
2046001,2046073,73
2047201,2047307,107
2047769,2047944,176
2048417,2048549,133
2049094,2049208,115
2049478,2049573,96

2050031,2050191,161
 2050536,2050608,73
 2050962,2051082,121
 2051624,2051726,103
 2051996,2052170,175
 2052662,2052814,153
 2053378,2053493,116
 ID=NCLIV_026490 - 1 [CT]..ATG[ACT]
 2056215,2058404,2190
 ID=NCLIV_026520 - 2 A..ATG
 2081587,2081616,30,END:Starts:2080231-2080406-2080172-
 2081822,2084047,2226,START:EXACT
 ID=NCLIV_026530 - 4 A..ATG
 2087212,2087488,277,WITHIN:Ends:2087468-2087464-
 2088260,2088368,109,END: start -1 AG
 2088779,2088813,35,EXACT,AG-GT
 2089097,2089605,509,START:Ends:2090807-2090549-
 ID=NCLIV_026570 - 30 A..ATG
 2125144,2125221,78,END:Starts:2124823-2124782-2124769-
 2125388,2125513,126,EXACT,AG-GT
 2126065,2126241,177,EXACT,AG-GT
 2126469,2126742,274,EXACT,AG-GT
 2127033,2127227,195,EXACT,TAG|TGA|TAA:AG-GT
 2127688,2127872,185,EXACT,AG-GT
 2128268,2128470,203,EXACT,ATG:AG-GT
 2128727,2128923,197,EXACT,AG-GT
 2128999,2129105,107
 2129702,2129859,158,EXACT,AG-GT
 2130117,2130270,154,EXACT,AG-GT
 2130742,2130861,120,EXACT,AG-GT
 2131205,2131374,170,EXACT,AG-GT
 2131730,2131946,217,EXACT,AG-GT
 2132181,2132309,129,EXACT,AG-GT
 2132611,2132706,96,EXACT,AG-GT
 2133072,2133174,103,EXACT,AG-GT
 2133545,2133697,153,EXACT,AG-GT
 2134056,2134162,107,EXACT,AG-GT
 2134761,2134930,170,EXACT,AG-GT
 2135199,2135277,79,EXACT,AG-GT
 2135689,2135917,229,EXACT,ATG:AG-GT
 2136312,2136438,127,END: start 80 AG-GC (ref:AC-GT)<< Possible error
 2136764,2136803,40
 2136985,2137122,138,EXACT,ATG:AG-GT
 2137381,2137433,53,EXACT,AG-GT
 2137782,2137868,87,EXACT,AG-GT
 2138390,2138522,133,EXACT,AG-GT
 2139094,2139261,168,EXACT,AG-GT
 2139841,2140044,204,START:Ends:2140721-2140671-2140735-
 ID=NCLIV_026580 - 1 [CT]..ATG[ACT]
 2143042,2144052,1011
 ID=NCLIV_026600 - 8 A..ATG
 2159910,2160136,227,END:Starts:2159510-2159486-2159477-
 2160626,2160770,145,EXACT,AG-GT
 2161048,2161148,101,EXACT,ATG:AG-GT
 2161833,2161923,91,START: end 2 GT
 2162477,2162599,123,EXACT,AG
 2163088,2163261,174,EXACT,AG-GT
 2163560,2163633,74,EXACT,AG-GT
 2164154,2164163,10,START:Ends:2164401-2164252-2164335-
 ID=NCLIV_026630 - 15 GCGATGC

2176437,2176841,405,END:Starts:2176110-2175241-
2177231,2177302,72,EXACT,AG-GT
2177768,2177842,75,EXACT,AG-GT
2178465,2178740,276,EXACT,AG-GT
2179069,2179110,42,EXACT,AG-GT
2179452,2179496,45,EXACT,AG-GT
2180262,2180336,75,START: end -1 GT
2180883,2180990,108,END: start 1 AG
2181497,2181577,81,EXACT,AG-GT
2182064,2182191,128,EXACT,AG-GT
2182544,2182622,79,START: end -1 GT
2182957,2183224,268
2183539,2183616,78
2184457,2184670,214
2185632,2185851,220
ID=NCLIV_026660 - 5 A..ATG
2202113,2202306,194,OVER:Starts:2201558-2201494-
2203618,2204743,1126,END: start -2124 AG
2205115,2205627,513,END: start 395 AG-GT
2206194,2207255,1062,EXACT,AG-GT
2208028,2208597,570,START:Ends:2209429-2209443-
ID=NCLIV_026670 - 2 GCGATGC
2211222,2213602,2381,END:Starts:2210638-2210580-2210561-
2214026,2215016,991,START:Ends:2216042-2215956-2216061-
ID=NCLIV_026680 - 2 A..ATG
2218176,2218385,210,END:Starts:2216291-2217815-2217126-
2218703,2218885,183,START:Ends:2219364-2219281-2219354-
ID=NCLIV_026690 - 9 GTGATGC
2221910,2222137,228,END:Starts:2221140-2221056-2220749-
2222326,2222480,155,START: end 470 AG-GT
2222848,2222950,103,END: start -522 AG-GT
2223401,2223733,333,EXACT,GT
2224290,2224416,127
2225249,2225458,210
2225777,2225862,86,START: end 799 AG
2226490,2226661,172,END: start -713 AG
2227040,2227161,122,START:Ends:2228173-2234210-
ID=NCLIV_026720 - 35 A..ATG
2247189,2247322,134,END:EXACT
2247926,2248092,167,EXACT,AG-GT
2248811,2248947,137,EXACT,AG-GT
2249433,2249532,100,EXACT,AG-GT
2250237,2250364,128,EXACT,AG-GT
2250967,2251062,96,EXACT,AG-GT
2251422,2251541,120,EXACT,AG-GT
2252076,2252200,125,EXACT,AG-GT
2252726,2252801,76,EXACT,AG-GT
2253182,2253277,96,EXACT,AG-GT
2254231,2254349,119,EXACT,AG-GT
2254973,2255083,111,EXACT,AG-GT
2255502,2255603,102,EXACT,AG-GT
2256151,2256331,181,EXACT,AG-GT
2257053,2257137,85,EXACT,AG-GT
2257809,2257971,163,EXACT,ATG:AG-GT
2258630,2258696,67,EXACT,ATG:AG-GT
2259152,2259313,162,EXACT,AG-GT
2260007,2260177,171,START: end 283 GT
2260760,2260834,75
2261237,2261425,189
2261986,2262067,82

2262721,2262799,79
 2263106,2263244,139
 2263962,2264039,78
 2264498,2264637,140
 2265207,2265314,108
 2266215,2266379,165
 2267255,2267405,151
 2267705,2267806,102
 2268126,2268233,108
 2268853,2268945,93
 2269138,2269210,73
 2269402,2269448,47
 2269976,2270068,93
 ID=NCLIV_026730 - 3 [CT]..ATG[ACT]
 2276718,2277076,359
 2277379,2280419,3041,END: start 3 AG
 2280992,2281722,731,START:Ends:2281147-2281994-
 ID=NCLIV_026745 - 2 A..ATG
 2300669,2300825,157,END:Starts:2300296-2300493-2300499-
 2302139,2302338,200,START:Ends:2302826-2302557-2304581-
 ID=NCLIV_026750 - 5 CTCATGG
 2304432,2304605,174
 2304903,2305130,228,EXACT,AG-GT
 2305429,2306436,1008,EXACT,AG-GT
 2307214,2307322,109,EXACT,AG-GT
 2307984,2308399,416,START:Ends:2309465-2309335-
 ID=NCLIV_026780 - 1 TCCATGG
 2328662,2331871,3210
 ID=NCLIV_026800 - 8 A..ATG
 2346101,2346252,152,END:Starts:2343793-2345136-2343775-
 2346917,2347043,127,EXACT,AG-GT
 2347562,2347744,183,EXACT,AG-GT
 2348349,2348453,105,EXACT,AG-GT
 2348921,2350211,1291,EXACT,AG-GT
 2350631,2351100,470,EXACT,AG-GT
 2351459,2351819,361,EXACT,AG-GT
 2352169,2353289,1121,START:Ends:2353435-2353367-2353965-
 ID=NCLIV_026820 - 2 A..ATG
 2358084,2358357,274,END:Starts:2357837-2357853-2357859-
 2359004,2359206,203,START:EXACT
 ID=NCLIV_026830 - 10 A..ATG
 2362070,2362400,331,END:Starts:2360265-2361237-2361491-
 2362920,2363104,185,EXACT,AG-GT
 2363674,2363965,292,START: end 596 AG
 2364200,2364561,362,END: start -526 AG
 2365099,2365202,104,START: end 189 GT
 2365520,2365880,361
 2366179,2366293,115,END: start 69 AG
 2367002,2367236,235,EXACT,AG-GT
 2367757,2367840,84,EXACT,AG-GT
 2368042,2368126,85,START:Ends:2368908-2368909-
 ID=NCLIV_026850 - 1 A..ATG
 2374407,2384462,10056
 ID=NCLIV_026860 - 4 A..ATG
 2387337,2387657,321,END:Starts:2386978-2386830-
 2388178,2388348,171,START: end -131 GT
 2388819,2389066,248
 2389725,2391009,1285
 ID=NCLIV_0268- 10 [CT]..ATG[ACT]
 2393416,2393530,115,END:Starts:2392789-2392167-

2394057,2394684,628,EXACT,AG-GT
 2395206,2395731,526,EXACT,AG-GT
 2396244,2396392,149,START: end -51 AG-GT
 2396690,2397104,415,EXACT,AG-GT
 2397541,2397606,66,EXACT,AG-GT
 2397716,2397784,69,EXACT,AG-GT
 2398386,2398490,105,START: end 527 AG-GT
 2398685,2398989,305,OVER: start -299 and end 28 AG-GT
 2399276,2399366,91,START:Ends:2400460-2400456-
 ID=NCLIV_026900 - 2 CAAATGG
 2408713,2409224,512
 2410137,2414661,4525
 ID=NCLIV_026920 - 10 G..ATGG
 2432832,2432863,32
 2433173,2433212,40,END: start -63 AG-GT (ref:AC-GT)<< Possible error
 2433604,2433738,135,EXACT,AG-GT
 2433922,2433990,69,EXACT,AG-GT
 2434495,2434528,34,EXACT,AG-GT
 2435173,2435276,104,EXACT,AG-GT
 2435679,2435807,129,EXACT,AG-GT
 2436023,2436085,63,EXACT,AG-GT
 2436249,2436854,606,EXACT,AG-GT
 2437198,2437275,78,START:Ends:2439156-2438800-2443707-
 ID=NCLIV_0270- 2 A..ATG
 2504510,2507061,2552
 2507272,2507374,103
 ID=NCLIV_027010 - 1 G..ATGG
 2509586,2512981,3396
 ID=NCLIV_027030 - 5 [CT]..ATG[ACT]
 2523312,2523419,108
 2523885,2523947,63
 2524603,2524999,397
 2525574,2528813,3240
 2529167,2531364,2198
 ID=NCLIV_027050 - 4 A..ATG
 2539863,2540942,1080
 2541603,2541968,366
 2542234,2542749,516
 2543202,2548055,4854
 ID=NCLIV_027100 - 6 A..ATG
 2577479,2577562,84,END:Starts:2575841-2574135-2577025-
 2577868,2577929,62,START: end 67 GT
 2578248,2578448,201,END: start 23 AG (ref:AC-GT)<< Possible error
 2578896,2579106,211,EXACT,AG-GT
 2579421,2579540,120,EXACT,AG-GT
 2580464,2580745,282,START:Ends:2581160-2580943-2581165-
 ID=NCLIV_027110 - 4 CCCATGG
 2583192,2583524,333
 2583969,2584786,818
 2585370,2586766,1397
 2587127,2587227,101
 ID=NCLIV_027130 - 3 A..ATG
 2599123,2599340,218,END:Starts:2598143-2598456-2598128-
 2599861,2600179,319,EXACT,AG-GT
 2600603,2600917,315,START:EXACT
 ID=NCLIV_027150 - 9 GCAATGT
 2606540,2606863,324,END:Starts:2604928-2605862-2605635-
 2607457,2608113,657,EXACT,AG-GT
 2608484,2608725,242,EXACT,AG-GT
 2609205,2609527,323,EXACT,AG-GT

2610057,2610262,206,EXACT,AG-GT
 2610565,2611269,705,EXACT,GT
 2611608,2611715,108,END: start 3 AG (ref:AC-GT)<< Possible error
 2612063,2618169,6107,START: end -5 GT
 2618735,2618870,136
 ID=NCLIV_027180 - 1 A..ATG
 2625220,2625693,474
 ID=NCLIV_027230 - 6 A..ATG
 2648818,2648928,111,END:Starts:2647880-2647489-2647851-
 2649520,2649670,151,EXACT,AG-GT
 2650290,2650427,138,EXACT,AG-GT
 2650969,2651047,79,EXACT,AG-GT
 2651322,2651451,130,EXACT,AG-GT
 2651989,2653389,1401,START:EXACT
 ID=NCLIV_027250 - 9 CCAATGG
 2664654,2664963,310,END:Starts:2663982-2664041-2663856-
 2665320,2665374,55,EXACT,AG-GT
 2665536,2665713,178,EXACT,AG-GT
 2666338,2666583,246,EXACT,AG-GT
 2666923,2667046,124,EXACT,AG-GT
 2667426,2667535,110,START: end 4 GT
 2668293,2668373,81,END: start 7 AG
 2668917,2669096,180,END: start 27 AG-GC
 2669412,2669444,33,START:Ends:2669789-2669813-
 ID=NCLIV_027270 - 8 [CT]..ATG[ACT]
 2676821,2677948,1128,END:Starts:2676435-2676277-2676281-
 2678545,2678820,276,EXACT,AG-GT
 2679121,2679341,221,EXACT,AG-GT
 2679687,2680223,537,EXACT,AG-GT
 2680835,2681149,315,EXACT,AG-GT
 2681754,2681909,156,EXACT,AG-GT
 2682380,2682478,99,EXACT,AG-GT
 2683115,2683262,148,START:Ends:2684683-2684659-2683934-
 ID=NCLIV_027280 - 7 A..ATG
 2686141,2687897,1757
 2688605,2688806,202
 2689466,2689679,214
 2690132,2690272,141
 2690769,2691082,314
 2691390,2691484,95
 2691950,2692310,361
 ID=NCLIV_027290 - 2 A..ATG
 2695367,2695501,135,END:Starts:2695251-2695155-
 2696330,2696443,114,START:EXACT
 ID=NCLIV_027310 - 12 A..ATG
 2708719,2708953,235
 2709367,2709488,122,END: start 7 AG
 2709886,2709960,75,START: end 212 GT
 2710323,2710534,212
 2711042,2711175,134
 2711317,2711414,98
 2711754,2712140,387,EXACT,AG
 2712962,2713058,97,EXACT,AG-GT
 2713427,2713626,200,EXACT,GT
 2714226,2714564,339
 2714893,2715084,192
 2716507,2717175,669
 ID=NCLIV_027330 - 12 G..ATGG
 2730174,2730800,627
 2731468,2731597,130,OVER: start -225 and end 504 GT

2731847,2732109,263
 2732371,2732742,372,END: start -132 AG (ref:AC-GT)<< Possible error
 2733059,2733943,885,EXACT,AG-GT
 2734390,2735490,1101,EXACT,AG-GT
 2735680,2736680,1001,EXACT,AG-GT
 2737217,2737514,298,EXACT,AG-GT
 2738118,2738329,212,START: end 198 GT
 2738858,2739223,366,END: start 8 AG (ref:AC-GT)<< Possible error
 2739627,2739831,205,EXACT,AG-GT
 2740389,2741894,1506,START:Ends:2742694-2740435-2742689-
 ID=NCLIV_027340 - 7 [CT]..ATG[ACT]
 2745541,2745888,348
 2746220,2746362,143
 2746829,2746907,79
 2747486,2747809,324
 2748247,2748610,364
 2749142,2750268,1127
 2750954,2751241,288
 ID=NCLIV_027350 - 5 A..ATG
 2753206,2753427,222
 2753990,2754136,147
 2754480,2754652,173
 2755236,2755505,270
 2755993,2756983,991
 ID=NCLIV_027360 - 11 G..ATGG
 2758831,2758975,145,END:Starts:2758316-2758321-2758314-
 2759352,2759562,211,START: end 140 GT
 2760158,2760281,124
 2760551,2760647,97,END: start -2 AG
 2760900,2760949,50,EXACT,AG-GT
 2761575,2761694,120,EXACT,AG-GT
 2761987,2762088,102,EXACT,GT
 2762641,2762771,131,EXACT,AG-GT
 2763104,2763448,345,EXACT,AG-GT
 2763903,2764470,568,START: end -341 GT
 2767582,2771310,3729
 ID=NCLIV_027380 - 5 A..ATG
 2780294,2784275,3982
 2785779,2785947,169
 2786628,2789821,3194
 2790762,2790891,130
 2791142,2791406,265
 ID=NCLIV_027390 - 5 [CT]..ATG[ACT]
 2796211,2796725,515,END:Starts:2794899-
 2797236,2797312,77,START: end -15 GT
 2797549,2797593,45
 2798183,2798274,92,END: start 7 AG (ref:AC-GT)<< Possible error
 2798655,2800799,2145,START:Ends:2801101-2799521-2801060-
 ID=NCLIV_027410 - 10 A..ATG
 2806164,2806337,174,END:Starts:2805817-2805649-2805786-
 2806672,2806779,108,EXACT,AG-GT
 2807461,2807561,101,EXACT,AG-GT
 2807943,2808054,112,START: end 228 AG-GT
 2808646,2808858,213,EXACT,AG-GT
 2809164,2809980,817,START: end 59 GT
 2810487,2811254,768
 2811526,2811633,108
 2811699,2811742,44
 2812618,2813436,819
 ID=NCLIV_027440 - 3 A..ATG

2832523,2832619,97
2833686,2834340,655,END: start -119 AG
2834595,2834709,115,START:Ends:2836028-2835934-
ID=NCLIV_027470 - 4 A..ATG
2868187,2868401,215,END:Starts:2867651-2867616-
2868659,2868872,214,EXACT,AG-GT
2869190,2869243,54,EXACT,AG-GT
2869725,2869925,201,START:Ends:2870136-2870168-
ID=NCLIV_027480 - 12 A..ATG
2872023,2872088,66,END:Starts:2871188-2871149-2871131-
2872501,2872568,68,EXACT,AG-GT
2872737,2872860,124,START: end 23 GT
2873332,2873379,48
2873743,2873807,65
2874573,2874687,115
2874952,2875055,104,END: start 2 AG
2875195,2875393,199,EXACT,AG-GT
2876087,2876192,106,EXACT,AG-GT
2877036,2877089,54,EXACT,AG-GT
2877542,2877659,118,START: end 2 GT
2877870,2877990,121
ID=NCLIV_027500 - 9 A..ATG
2883563,2884169,607
2884716,2885155,440,START: end 184 AG
2885791,2885970,180,OVER: start -236 and end 387 AG-GT
2886858,2888229,1372,EXACT,AG-GT
2888922,2889352,431,EXACT,AG
2889803,2889862,60,EXACT,AG-GT
2890366,2890503,138,EXACT,GT
2890945,2891926,982
2892409,2892731,323
ID=NCLIV_027520 - 19 A..ATG
2901316,2901528,213,END:Starts:2899336-2899330-
2901803,2902003,201,EXACT,AG-GT
2902313,2902645,333,EXACT,AG-GT
2902974,2903354,381,EXACT,AG
2904030,2904389,360,EXACT,AG-GT
2904831,2905015,185,START: end -2 GT
2905118,2905265,148
2905832,2906098,267
2906707,2906831,125
2907180,2907302,123
2907573,2907697,125
2908520,2908819,300
2909105,2909209,105
2909634,2909788,155,END: start 42 AG
2910298,2910636,339,EXACT,GT
2911176,2911573,398
2912014,2915082,3069
2915495,2915773,279
2916664,2918605,1942
ID=NCLIV_0275- 2 A..ATG
2927663,2927990,328
2928497,2928843,347
ID=NCLIV_027570 - 3 G..ATGG
2940762,2940887,126,END:Starts:2940417-2940392-
2941514,2942511,998,EXACT,Info:AG-GC-AG-GT-
2943169,2943340,172,START:EXACT
ID=NCLIV_027580 - 1 G..ATGG
2946346,2946915,570

ID=NCLIV_027600 - 5 A..ATG
2958236,2958258,23
2958612,2958926,315,EXACT,TAG|TGA|TAA:AG-GT
2959909,2960166,258,EXACT,AG-GT
2960696,2960991,296,START: end 1422 GT
2961250,2962136,887,OVER:Ends:2962411-2962416-2962413-

ID=NCLIV_027660 - 4 A..ATG
3007734,3007881,148,END:EXACT
3008526,3008593,68,EXACT,AG-GT
3008925,3009064,140,EXACT,AG-GT
3009684,3009720,37,START:Ends:3009899-3009912-3009889-

ID=NCLIV_027670 - 1 TCAATGG
3012293,3013189,897

ID=NCLIV_027680 - 1 TCAATGG
3016513,3017412,900

ID=NCLIV_027690 - 1 TCAATGG
3021655,3022557,903

ID=NCLIV_027700 - 1 CAAATGG
3025882,3026775,894

ID=NCLIV_027720 - 5 CCCATGG
3034331,3034451,121,END:Starts:3033311-3033336-3033350-
3034912,3035484,573,EXACT,AG-GT
3036192,3036313,122,EXACT,AG-GT
3036582,3036740,159,EXACT,AG-GT
3037541,3038029,489,START:Ends:3039252-3038958-

ID=NCLIV_027730 - 1 A..ATG
3041638,3042741,1104

ID=NCLIV_027770 - 9 A..ATG
3062976,3063125,150,END:Starts:3061465-3062218-3061464-
3063486,3063827,342,EXACT,AG-GT
3064087,3064182,96,EXACT,AG-GT
3064342,3064524,183,EXACT,AG-GT
3064771,3064944,174
3065335,3065742,408,END: start -507 AG-GC (ref:AC-GT)<< Possible error
3066020,3066225,206,EXACT,AG-GT
3066707,3066791,85,EXACT,AG-GT
3067734,3067943,210,START:Ends:3068354-3068292-3068396-

ID=NCLIV_027800 - 9 A..ATG
3079784,3079848,65,END:Starts:3079011-3079029-3079005-
3080232,3080350,119,EXACT,AG-GT
3080568,3080632,65,EXACT,AG-GT
3080931,3081046,116,EXACT,AG-GT
3081461,3081616,156,START: end -48 GT
3081938,3083519,1582
3083829,3084019,191
3084152,3085333,1182
3085448,3087191,1744

ID=NCLIV_027810 - 12 A..ATG
3094224,3094304,81,END:Starts:3092649-3092306-3092530-
3094440,3094509,70,EXACT,AG-GT
3095064,3095180,117,EXACT,AG-GT
3095694,3095871,178,EXACT,AG-GT
3096279,3096370,92,EXACT,AG-GT
3097151,3097429,279,EXACT,AG-GT
3098021,3098124,104,EXACT,AG-GT
3098578,3098681,104,EXACT,AG-GT
3099415,3099514,100,EXACT,AG-GT
3099977,3100116,140,EXACT,AG-GT
3100397,3100888,492,START: end -26 GT
3101370,3102036,667

ID=NCLIV_027820 - 8 [CT]..ATG[ACT]
 3104898,3105407,510,END:Starts:3104389-3104327-3104367-
 3105739,3105858,120,EXACT,AG-GT
 3106354,3106516,163,EXACT,AG-GT
 3106790,3106871,82,EXACT,AG-GT
 3107264,3107347,84,EXACT,AG-GT
 3107497,3107883,387,EXACT,AG-GT
 3108471,3108612,142,EXACT,GT
 3108904,3109737,834
 ID=NCLIV_027840 - 2 CCGATGG
 3116683,3121850,5168
 3122610,3122634,25
 ID=NCLIV_027850 - 5 A..ATG
 3124430,3124530,101,END:Starts:3124005-3123992-3124038-
 3124663,3124689,27,EXACT,AG-GT
 3124817,3124849,33,START: end 556 AG-GT
 3124986,3125405,420,END: start -169 AG-GT
 3125583,3126468,886,START:Ends:3127006-3127147-
 ID=NCLIV_027860 - 7 GCCATGC
 3129286,3129411,126,END:Starts:3128252-3128342-3128284-
 3130010,3130138,129,EXACT,AG-GT
 3130599,3130670,72,EXACT,AG-GT
 3131141,3131411,271,EXACT,AG-GT
 3131681,3132608,928,EXACT,AG-GT
 3133344,3133430,87,EXACT,AG-GT
 3133964,3135065,1102,START:Ends:3135838-3135860-
 ID=NCLIV_027880 - 4 [CT]..ATG[ACT]
 3141557,3141709,153,END:Starts:3141172-3141133-3140756-
 3142166,3142383,218,START: end 75 GT
 3142752,3142829,78
 3143415,3144039,625
 ID=NCLIV_027900 - 1 A..ATG
 3152799,3155072,2274
 ID=NCLIV_027910 - 2 [CT]..ATG[ACT]
 3156597,3156829,233,END:Starts:3156324-3156265-
 3157189,3158503,1315,START:Ends:3159077-3157414-
 ID=NCLIV_027930 - 1 [CT]..ATG[ACT]
 3170992,3172839,1848
 ID=NCLIV_027950 - 4 GCAATGC
 3183448,3183685,238,OVER:Starts:3182748-3182787-3182522-
 3184366,3184514,149,EXACT,AG-GT
 3185320,3185487,168,EXACT,AG-GT
 3185771,3186913,1143,START:Ends:3188254-3188727-
 ID=NCLIV_027970 - 3 [CT]..ATG[ACT]
 3191876,3192928,1053,END:Starts:3191370-3191512-3191350-
 3193486,3194196,711,START: end 5045 AG-GT (ref:AC-GT)<< Possible error
 3194623,3199287,4665
 ID=NCLIV_027980 - 1 A..ATG
 3200707,3203676,2970
 ID=NCLIV_0280- 9 G..ATGG
 3212631,3212793,163
 3213453,3213598,146,START: end 677 GT
 3213801,3214060,260,OVER: start -348 and end 215 GT
 3214770,3214899,130
 3215366,3215445,80
 3215906,3216238,333
 3217617,3217918,302
 3218520,3218886,367
 3219006,3219102,97
 ID=NCLIV_028020 - 7 A..ATG

3232929,3232949,21,END:Starts:3232732-3232612-3232646-
 3233169,3233230,62,EXACT,AG-GT
 3233512,3233804,293,EXACT,AG-GT
 3234364,3234471,108,EXACT,AG-GT
 3234641,3234951,311,EXACT,AG-GT
 3235276,3235548,273,EXACT,AG-GT
 3235850,3235915,66,START:Ends:3236837-3235946-3236810-
 ID=NCLIV_028040 - 7 G..ATGG
 3243144,3245759,2616,END:Starts:3242696-3242686-3245077-
 3246204,3246371,168,EXACT,AG-GT
 3246686,3246772,87,START: end 164 GT
 3247263,3247454,192
 3248085,3249548,1464
 3250034,3250128,95
 3250670,3250745,76,START:Ends:3251264-3252264-
 ID=NCLIV_028060 - 4 A..ATG
 3255833,3256356,524
 3256611,3257081,471
 3257566,3257820,255
 3258301,3258694,394
 ID=NCLIV_028080 - 5 GCCATGC
 3273743,3274773,1031,END:Starts:3273541-3273542-
 3275176,3275407,232,START: end -200 GT
 3275804,3276981,1178
 3277427,3280469,3043
 3281159,3281941,783
 ID=NCLIV_028110 - 4 TTGATGG
 3290887,3290899,13
 3290953,3291119,167,EXACT,AG-GT
 3291225,3291573,349,EXACT,AG-GT
 3291771,3292003,233,START:Ends:3292684-3292603-3292647-
 ID=NCLIV_028130 - 1 [CT]..ATG[ACT]
 3298497,3299900,1404
 ID=NCLIV_028140 - 7 GAGATGC
 3302992,3303189,198,END:Starts:3302588-3302541-3302619-
 3303452,3303510,59,EXACT,AG-GT
 3303703,3303820,118,EXACT,AG-GT
 3304341,3304529,189,EXACT,AG-GT
 3304783,3304890,108,EXACT,AG-GT
 3305271,3305425,155,EXACT,AG-GT
 3305814,3306546,733,START:Ends:3307322-3307296-3307431-
 ID=NCLIV_028150 - 2 A..ATG
 3312540,3312744,205,END:Starts:3312442-3312649-3312009-
 3313094,3315294,2201,START:Ends:3316524-3315748-3316525-
 ID=NCLIV_028160 - 16 G..ATGG
 3320146,3320923,778,END:Starts:3318003-3318059-3318033-
 3321537,3321631,95,EXACT,AG-GT
 3321939,3322117,179,EXACT,AG-GT
 3322322,3322364,43,EXACT,AG-GT
 3322699,3323181,483,EXACT,AG-GT
 3323631,3323759,129,EXACT,AG-GT
 3324194,3324684,491,EXACT,AG-GT
 3325023,3325318,296,EXACT,AG-GT
 3325934,3326114,181,EXACT,AG-GT
 3326581,3327232,652,START: end 6 GT
 3327601,3327761,161,EXACT,AG-GT
 3328350,3328506,157,EXACT,AG-GT
 3329024,3330752,1729,END: start -57 AG-GC (ref:AC-GT)<< Possible error
 3331097,3331245,149,EXACT,AG-GT
 3331825,3331922,98,EXACT,AG-GT

3332486,3334499,2014,START:Ends:3335438-3332961-3335535-
ID=NCLIV_028170 - 1 GCGATGA
3338255,3340000,1746
ID=NCLIV_028200 - 8 [CT]..ATG[ACT]
3362846,3363123,278,END:Starts:3362541-3362609-3362566-
3363427,3363469,43,EXACT,AG-GT
3363810,3364123,314,EXACT,AG-GT
3364676,3365264,589,EXACT,AG-GT
3365594,3365800,207,EXACT,AG-GT
3366226,3366407,182,EXACT,AG-GT
3366864,3366898,35,START: end 1012 GT
3367184,3367251,68,OVER:Ends:3367952-3367430-3367910-
ID=NCLIV_028230 - 6 A..ATG
3383083,3383148,66
3383460,3383636,177,EXACT,Info:AG-GC-donor=CC-AG-GT-
3384203,3384352,150,EXACT,AG-GT
3384637,3384814,178,EXACT,AG-GT
3385338,3385453,116,EXACT,AG-GT
3385851,3385904,54,START:Ends:3386832-3386826-3386821-
ID=NCLIV_0282- 1 [CT]..ATG[ACT]
3395333,3397234,1902
ID=NCLIV_028260 - 5 CCGATGG
3400202,3400244,43
3400755,3400817,63
3401322,3401389,68
3401742,3401929,188
3402519,3403035,517
ID=NCLIV_028270 - 3 [CT]..ATG[ACT]
3405845,3406024,180,END:Starts:3405464-3405502-3405533-
3406643,3406714,72,EXACT,AG-GT
3407075,3407092,18,START:Ends:3407706-3407682-3408636-
ID=NCLIV_028280 - 14 GCTATGA
3409691,3409809,119,END:Starts:3409246-3409247-3409188-
3409930,3409990,61,EXACT,AG-GT
3410607,3410778,172,EXACT,AG-GT
3411321,3411535,215,EXACT,AG-GT
3411729,3411851,123,EXACT,AG-GT
3412348,3412451,104,START: end 37 AG-GT
3412778,3412902,125,EXACT,AG-GT
3413017,3413079,63,EXACT,AG-GT
3413437,3413504,68,EXACT,AG-GT
3413960,3414050,91,EXACT,AG-GT
3414469,3414617,149,EXACT,AG-GT
3415182,3415457,276,EXACT,AG-GT
3415890,3416123,234,EXACT,AG-GT
3416643,3417737,1095,START:Ends:3417326-3418594-
ID=NCLIV_028300 - 15 A..ATG
3435414,3435515,102,END:Starts:3434607-3435077-3434803-
3436009,3436083,75,EXACT,ATG:AG-GT
3436338,3436474,137,EXACT,AG-GT
3436995,3437055,61,EXACT,AG-GT
3437379,3437435,57,EXACT,AG-GT
3437792,3437844,53,EXACT,AG-GT
3438355,3438410,56,EXACT,AG-GT
3438619,3438707,89,EXACT,AG-GT
3439159,3439247,89,EXACT,AG-GT
3439524,3439613,90,EXACT,AG-GT
3440008,3440044,37,EXACT,AG-GT
3440382,3440442,61,EXACT,AG-GT
3441055,3441908,854,EXACT,AG-GT

3442162,3442249,88,EXACT,AG-GT
 3442537,3442796,260,START:Ends:3443539-3443531-3443661-
 ID=NCLIV_028330 - 20 G..ATGG
 3456656,3456794,139,END:Starts:3454580-3456096-3455589-
 3457356,3457429,74,EXACT,AG-GT
 3457715,3457863,149,EXACT,AG-GT
 3458171,3458380,210,EXACT,ATG:AG-GT
 3458974,3459079,106,EXACT,AG-GT
 3459387,3459515,129,EXACT,AG-GT
 3459920,3460083,164,EXACT,AG-GT
 3460203,3460407,205,EXACT,AG-GT
 3460673,3460891,219,START: end -5 GT
 3461437,3461628,192
 3462157,3462232,76,END: start -52 AG
 3462700,3462887,188,EXACT,AG-GT
 3463332,3463473,142,EXACT,AG-GT
 3464073,3464227,155,EXACT,AG-GT
 3464730,3465037,308,EXACT,AG-GT
 3465959,3466367,409,EXACT,AG-GT
 3466787,3466864,78,EXACT,AG-GT
 3467368,3467762,395,START: end 3 GT
 3468213,3468230,18
 3468692,3468995,304
 ID=NCLIV_028340 - 2 G..ATGG
 3472695,3473015,321,END:Starts:3471475-3471318-3471123-
 3473259,3474986,1728,START:Ends:3473604-3474532-3475723-
 ID=NCLIV_028350 - 6 G..ATGG
 3477017,3480379,3363,END:Starts:3479569-3476596-
 3480889,3480998,110,EXACT,AG-GT
 3481345,3481506,162,EXACT,GT
 3481864,3482015,152,EXACT,AG
 3482532,3482752,221,EXACT,TAG|TGA|TAA:AG-GT
 3483660,3484247,588,START:Ends:3485608-3485595-
 ID=NCLIV_028380 - 7 A..ATG
 3505776,3505862,87,END:Starts:3505564-3505524-3505581-
 3506365,3506449,85,EXACT,AG-GT
 3507083,3507139,57,EXACT,AG-GT
 3507778,3507819,42,EXACT,AG-GT
 3508688,3508939,252,EXACT,AG-GT
 3509779,3510089,311,START: end 1435 GT
 3510459,3510659,201,OVER:Ends:3511549-3511524-
 ID=NCLIV_028400 - 8 [CT]..ATG[ACT]
 3517285,3517419,135,END:Starts:3517208-3516368-
 3517692,3517874,183,EXACT,AG-GT
 3518532,3518709,178,EXACT,AG-GT
 3519491,3519617,127,START: end -24 GT
 3520138,3520252,115
 3520518,3520862,345
 3521218,3521317,100
 3522086,3522201,116
 ID=NCLIV_0284- 3 [CT]..ATG[ACT]
 3525402,3526281,880
 3527644,3527769,126
 3528332,3528783,452
 ID=NCLIV_028420 - 8 A..ATG
 3529916,3530581,666
 3531380,3531530,151
 3531634,3533804,2171
 3534792,3535222,431
 3535560,3535856,297

3535987,3536129,143
 3537199,3537228,30
 3537365,3537375,11
 ID=NCLIV_028450 - 11 CAAATGG
 3576527,3576588,62,OVER:Starts:3576178-3575497-
 3577671,3578244,574,START: end -124 GT
 3578699,3578777,79
 3579401,3579664,264
 3580568,3580731,164
 3581318,3581389,72
 3582096,3582177,82
 3582667,3582738,72
 3583047,3583142,96
 3583266,3583770,505
 3585185,3585245,61
 ID=NCLIV_028470 - 2 [CT]..ATG[ACT]
 3592673,3596642,3970
 3597093,3597316,224
 ID=NCLIV_028490 - 1 A..ATG
 3616738,3620430,3693
 ID=NCLIV_028510 - 4 A..ATG
 3631013,3631572,560,END:Starts:3629933-3630530-3630219-
 3632233,3632307,75,EXACT,AG-GT
 3632531,3632618,88,EXACT,AG-GT
 3633269,3633328,60,START:Ends:3634390-3634370-3635701-
 ID=NCLIV_028540 - 3 A..ATG
 3661570,3661905,336
 3662288,3662435,148,END: start 15 AG (ref:AC-GT)<< Possible error
 3662798,3663141,344,START:Ends:3663281-3663219-3663375-
 ID=NCLIV_028550 - 4 GTGATGT
 3666485,3666645,161,END:Starts:3665075-3665180-3665131-
 3666934,3667033,100,EXACT,AG-GT
 3667618,3667695,78,EXACT,AG-GT
 3667967,3668134,168,START:Ends:3668462-3668613-
 ID=NCLIV_028570 - 2 A..ATG
 3692265,3692956,692
 3693014,3693176,163
 ID=NCLIV_028580 - 4 [CT]..ATG[ACT]
 3694355,3694427,73
 3694632,3694792,161,END: start 8 AG (ref:AC-GT)<< Possible error
 3694951,3695142,192,START: end 1553 AG-GT
 3695239,3695685,447,OVER:Ends:3696695-3695142-3696922-
 ID=NCLIV_028600 - 13 A..ATG
 3702696,3703015,320,END:EXACT
 3703419,3703455,37,EXACT,TAG|TGA|TAA:AG-GT
 3703588,3703742,155,EXACT,AG-GT
 3703850,3703922,73,EXACT,AG-GT
 3704073,3704179,107,EXACT,AG-GT
 3704449,3704593,145,EXACT,AG-GT
 3704815,3704919,105,EXACT,AG-GT
 3705275,3705410,136,EXACT,AG-GT
 3705605,3705670,66,START: end 632 AG-GT
 3706438,3706510,73,EXACT,AG-GT
 3707248,3707370,123,END: start 52 AG
 3707770,3707803,34,EXACT,AG-GT
 3708122,3708124,3,START:EXACT
 ID=NCLIV_028630 - 6 A..ATG
 3723937,3724032,96,END:Starts:3721563-3723715-3723810-
 3724353,3724433,81,EXACT,AG-GT
 3724778,3724858,81,START: end 3 GT

3725255,3725343,89
3725843,3725847,5
3726484,3726692,209,START:EXACT
ID=NCLIV_028660 - 10 [CT]..ATG[ACT]
3750554,3750642,89,END:Starts:3748139-3748440-3748620-
3750863,3751055,193,EXACT,AG-GT
3751398,3751646,249,EXACT,AG-GT
3753354,3753699,346,OVER: start -1457 and end 3235 GT
3754196,3755316,1121,OVER: start -2299 and end 1618 GT
3755970,3756892,923,OVER: start -4073 and end 42 GT
3757081,3757661,581
3758152,3758357,206
3758893,3759279,387
3759398,3760009,612
ID=NCLIV_028670 - 1 A..ATG
3764863,3765813,951
ID=NCLIV_028690 - 11 A..ATG
3777542,3777724,183
3778300,3779879,1580,START: end 11 GT
3780711,3780908,198
3781516,3781597,82
3781966,3782059,94
3782391,3782753,363
3783251,3783296,46
3784116,3784305,190
3784444,3784540,97
3785671,3785788,118
3786217,3786352,136
ID=NCLIV_028710 - 14 A..ATG
3790497,3790862,366
3791595,3791672,78
3791935,3792457,523
3792948,3793490,543
3793865,3795376,1512
3795549,3796020,472
3796424,3797100,677
3797279,3797526,248
3797991,3798158,168
3798481,3799365,885
3799665,3800272,608
3800697,3800943,247
3801396,3802047,652
3802895,3803481,587
ID=NCLIV_028720 - 3 CCAATGG
3810769,3812376,1608,END:Starts:3809314-3809351-3809285-
3812692,3815808,3117,EXACT,AG-GT
3816053,3818116,2064,START:Ends:3820370-3817965-3819907-
ID=NCLIV_028740 - 4 [CT]..ATG[ACT]
3835013,3835251,239
3835876,3835938,63,EXACT,AG
3836180,3836326,147,EXACT,AG-GT
3836609,3836834,226,START:EXACT
ID=NCLIV_028760 - 14 A..ATG
3853885,3853914,30,OVER:Starts:3853181-3849197-
3854710,3856104,1395,END: start -5513 AG
3856413,3856766,354,EXACT,AG-GT
3857255,3857386,132,EXACT,AG-GT
3858266,3858367,102,EXACT,AG-GT
3858667,3858766,100,EXACT,AG-GT
3859157,3859296,140,EXACT,AG-GT

3859728,3859862,135,EXACT,AG-GT
 3860631,3862735,2105,EXACT,AG-GT
 3863312,3864302,991,EXACT,AG-GT
 3864734,3865184,451,EXACT,AG-GT
 3865685,3868091,2407,EXACT,AG
 3868816,3868951,136,EXACT,AG-GT
 3869545,3872994,3450,START:Ends:3871746-3871757-
 ID=NCLIV_028790 - 3 GACATGT
 3883284,3883498,215
 3883886,3884077,192
 3884525,3887492,2968
 ID=NCLIV_028810 - 5 A..ATG
 3905403,3905546,144
 3906017,3906388,372
 3906838,3906980,143
 3907468,3907573,106
 3908117,3908389,273
 ID=NCLIV_028820 - 7 [CT]..ATG[ACT]
 3912232,3912659,428,OVER:Starts:3910811-3910788-
 3912883,3913029,147,EXACT,AG-GT
 3913284,3913366,83,EXACT,AG-GT
 3913711,3913930,220,EXACT,AG-GT
 3914168,3914469,302,EXACT,AG-GT
 3915149,3915658,510,START: end 539 GT
 3917344,3917417,74
 ID=NCLIV_0288- 12 [CT]..ATG[ACT]
 3940177,3940302,126
 3940842,3940981,140
 3942037,3942287,251,END: start -641 AG (ref:AC-GT)<< Possible error
 3944235,3944344,110,END: start 30 AG-GC
 3947068,3947159,92
 3948693,3948819,127
 3952165,3952690,526,START: end -2 GT
 3952980,3953087,108,END: start 6 AG
 3953485,3953928,444,EXACT,AG-GT
 3954406,3954563,158,EXACT,AG-GT
 3955089,3955233,145,EXACT,AG-GT
 3955607,3958998,3392,START:Ends:3960414-3960376-
 ID=NCLIV_028860 - 1 A..ATG
 3965674,3971820,6147
 ID=NCLIV_028890 - 8 A..ATG
 4006470,4006567,98
 4007088,4007169,82
 4007563,4007684,122
 4008142,4008310,169
 4008877,4008951,75
 4009416,4009493,78,END: start -204 AG
 4009651,4010036,386,EXACT,AG-GT
 4010475,4011528,1054,START:Ends:4011311-4011263-4011379-
 ID=NCLIV_028920 - 6 G..ATGG
 4037036,4037425,390,END:Starts:4036371-4036626-4036518-
 4038062,4038192,131,EXACT,AG-GT
 4038329,4038641,313,START: end 1 GT
 4039174,4039520,347
 4040083,4040251,169,EXACT,AG
 4040735,4041013,279,START:Ends:4041142-4041981-
 ID=NCLIV_028950 - 22 A..ATG
 4063077,4063732,656,END:EXACT
 4064081,4064256,176,END: start 32 Info:AG-GT-AG-GC-
 4064403,4064520,118,EXACT,AG-GT

4064974,4065091,118,START: end 286 GT
4068150,4068541,392,END: start -1265 AG
4068858,4069003,146,START: end 304 GT
4069525,4069670,146
4069938,4070242,305
4071085,4071307,223
4071788,4072088,301
4072765,4072850,86
4073194,4073251,58
4073555,4073748,194
4074203,4074280,78
4074617,4075309,693,END: start 64 AG
4075927,4076035,109,EXACT,AG-GT
4076495,4076797,303,START: end -244 GT
4077340,4078544,1205,END: start 395 Info:AG-GT-AG-GC-
4078942,4080886,1945,START: end -1074 GT
4081108,4081214,107
4081659,4081778,120
4082241,4082420,180
ID=NCLIV_028960 - 6 A..ATG
4085361,4085453,93,END:Starts:4084772-4084770-
4086145,4086211,67
4086467,4086543,77
4086866,4086950,85
4087403,4087457,55
4087736,4088321,586
ID=NCLIV_028980 - 2 GGCATGC
4099230,4102162,2933,END:EXACT
4102486,4103515,1030,START:EXACT
ID=NCLIV_029000 - 2 A..ATG
4125408,4126814,1407,END:Starts:4126692-4125155-4126329-
4127234,4130755,3522,START:Ends:4131187-4128775-4127631-
ID=NCLIV_029020 - 7 [CT]..ATG[ACT]
4134820,4134844,25
4135388,4135607,220
4136394,4136458,65
4136633,4136709,77
4136969,4137252,284
4137602,4137811,210
4138039,4138324,286
ID=NCLIV_029050 - 8 TGGATGG
4158364,4158498,135
4158562,4158729,168
4159511,4159645,135
4160114,4160244,131
4160302,4160699,398
4160961,4161210,250
4161265,4161318,54
4161872,4161908,37
ID=NCLIV_029060 - 6 CAAATGG
4167255,4167355,101,END:Starts:4166566-4166726-4166634-
4167519,4167627,109,EXACT,AG-GT
4167733,4167908,176,EXACT,AG-GT
4168302,4168437,136,EXACT,AG-GT
4168576,4168788,213,EXACT,AG-GT
4168896,4168931,36,START:Ends:4169412-4169419-4171073-
ID=NCLIV_029070 - 12 [CT]..ATG[ACT]
4173137,4173393,257
4173818,4173933,116
4175400,4175771,372

4175839,4175915,77
4176020,4176093,74
4176224,4176315,92
4176416,4176498,83
4176640,4176712,73
4176840,4176964,125
4177203,4177397,195
4177563,4177776,214
4177931,4177998,68
ID=NCLIV_029080 - 1 A..ATG
4185122,4185793,672,OVER:EXACT
ID=NCLIV_029110 - 10 CTGATGG
4211962,4212055,94,END:Starts:4211570-4211654-
4212549,4212623,75,EXACT,AG-GT
4213091,4213195,105,EXACT,AG-GT
4213452,4213595,144,START: end -5 GT
4213734,4213861,128
4214368,4214602,235
4215149,4219751,4603
4220268,4220325,58
4220965,4221048,84
4222641,4222670,30
ID=NCLIV_029140 - 4 A..ATG
4234149,4234177,29,END:Starts:4233821-4233795-4233749-
4234524,4234709,186,EXACT,AG-GT
4235223,4235282,60,EXACT,AG-GT
4235940,4236018,79,START:EXACT
ID=NCLIV_029150 - 7 A..ATG
4239190,4239358,169,END:Starts:4238695-4238516-4238610-
4239635,4239769,135,EXACT,AG-GT
4240182,4240360,179,EXACT,AG-GT
4241055,4241300,246,START: end 405 GT
4242294,4242359,66,OVER: start -438 and end 2381 AG (ref:AC-GT)<< Possible error
4243258,4244740,1483,END: start -1402 AG (ref:AC-GT)<< Possible error
4245169,4245476,308,START:EXACT
ID=NCLIV_029160 - 10 G..ATGG
4248385,4248430,46,END:EXACT
4248693,4248775,83,EXACT,AG-GT
4249338,4249471,134,EXACT,AG-GT
4249992,4250082,91,EXACT,AG-GT
4250414,4250847,434,EXACT,AG-GT
4251535,4251641,107,EXACT,AG-GT
4252039,4252202,164,START: end 31 AG-GT
4252541,4252782,242,EXACT,AG-GT
4253240,4253471,232,EXACT,GT
4253923,4254447,525
ID=NCLIV_029190 - 4 G..ATGG
4273936,4274580,645,END:Starts:4273777-4273876-4273826-
4275076,4277218,2143,EXACT,AG-GT
4277800,4278190,391,EXACT,AG-GT
4278686,4279127,442,START:Ends:4279957-4281294-
ID=NCLIV_029210 - 16 A..ATG
4292186,4292286,101
4292884,4292947,64
4293699,4293813,115
4294238,4294359,122
4294780,4294840,61
4295458,4295546,89
4295948,4296006,59
4296378,4296508,131

4298864,4301319,2456
 4301790,4302575,786
 4302801,4302957,157
 4303278,4303389,112
 4303624,4305320,1697
 4305705,4307932,2228
 4308178,4309197,1020
 4309626,4312877,3252
 ID=NCLIV_029230 - 2 A..ATG
 4320043,4320929,887,END:Starts:4319471-4319387-
 4321611,4321632,22,START:Ends:4323076-4322631-
 ID=NCLIV_0292- 3 A..ATG
 4325454,4325741,288
 4326147,4326253,107
 4326855,4327182,328
 ID=NCLIV_029255 - 2 A..ATG
 4335873,4336018,146,END:EXACT
 4336229,4336493,265,START:Ends:4337564-4337553-4337633-
 ID=NCLIV_029270 - 6 TCGATGG
 4344527,4344624,98,END:Starts:4344259-4344320-4344268-
 4345055,4345388,334,EXACT,AG-GT
 4345886,4345959,74,EXACT,ATG:AG-GT
 4346268,4346411,144,EXACT,AG-GT
 4346601,4347269,669,EXACT,AG-GT
 4347728,4348019,292,START:EXACT
 ID=NCLIV_029290 - 7 CAGATGG
 4357979,4359277,1299,END:Starts:4357539-4357548-4357544-
 4359537,4359658,122,EXACT,AG-GT
 4359950,4360046,97,EXACT,AG-GT
 4360161,4360295,135,EXACT,AG-GT
 4360664,4360947,284,EXACT,AG-GT
 4361212,4362000,789,EXACT,AG-GT
 4362381,4363266,886,START:Ends:4364057-4363650-4363731-
 ID=NCLIV_029310 - 1 A..ATG
 4371022,4371978,957
 ID=NCLIV_029340 - 1 A..ATG
 4388043,4392464,4422
 ID=NCLIV_029370 - 8 A..ATG
 4408474,4409457,984
 4409874,4409932,59
 4410671,4411051,381
 4411521,4411592,72
 4412109,4412247,139
 4412796,4412948,153
 4413739,4413912,174
 4414305,4414655,351
 ID=NCLIV_029380 - 5 A..ATG
 4418544,4418732,189,END:Starts:4417812-4417420-
 4419095,4419267,173,EXACT,AG-GT
 4419806,4420022,217,END: start 22 AG
 4420344,4420493,150,EXACT,AG
 4420914,4422029,1116,START:EXACT
 ID=NCLIV_029400 - 1 [CT]..ATG[ACT]
 4425561,4425893,333
 ID=NCLIV_029410 - 1 A..ATG
 4430782,4432305,1524
 ID=NCLIV_029430 - 4 A..ATG
 4444662,4450676,6015
 4451082,4452809,1728
 4453287,4453605,319

4453921,4454042,122
ID=NCLIV_029440 - 3 A..ATG
4457518,4457591,74,END:Starts:4456752-4456840-4456874-
4458045,4458763,719,EXACT,AG-GT
4459474,4459949,476,START:Ends:4460158-4460203-
ID=NCLIV_029470 - 5 G..ATGG
4466064,4466668,605
4467249,4467424,176
4468018,4468408,391
4468885,4468929,45
4469283,4469916,634
ID=NCLIV_029510 - 1 A..ATG
4489933,4491615,1683
ID=NCLIV_029530 - 1 [CT]..ATG[ACT]
4494784,4495656,873
ID=NCLIV_029550 - 5 CCAATGG
4504712,4504816,105,END:Starts:4501206-4504538-4501029-
4505011,4505185,175,START: end 92 AG-GT
4505699,4505814,116,EXACT,AG-GT
4506207,4507696,1490,START: end 318 GT
4508109,4509813,1705
ID=NCLIV_029570 - 2 GCCATGA
4518464,4519873,1410,END:Starts:4517011-4517067-4515507-
4520024,4520119,96,START:Ends:4521133-4520668-4521485-
ID=NCLIV_029590 - 11 A..ATG
4542578,4543003,426,END:Starts:4540228-4542459-4540343-
4543693,4543787,95,EXACT,AG-GT
4544198,4544254,57,EXACT,AG-GT
4544683,4544753,71,EXACT,AG-GT
4545165,4545242,78,START: end 5 GT
4545943,4546028,86,END: start 1 AG (ref:AC-GT)<< Possible error
4546398,4546469,72,EXACT,AG-GT
4546821,4546922,102,EXACT,AG-GT
4547380,4547475,96,EXACT,AG-GT
4548518,4548664,147,EXACT,AG-GT
4548896,4549039,144,START:Ends:4550493-4549808-4550883-
ID=NCLIV_029630 - 4 A..ATG
4571400,4571621,222
4571683,4571780,98
4571845,4571969,125
4572030,4572115,86
ID=NCLIV_029640 - 6 GGAATGT
4573311,4573429,119,END:Starts:4573132-4572910-4572944-
4573664,4573772,109,EXACT,AG-GT
4574097,4574182,86,EXACT,AG-GT
4574635,4574676,42,EXACT,AG
4575047,4575238,192,EXACT,AG-GT
4575990,4576035,46,START:EXACT
ID=NCLIV_029650 - 1 GGTATGC
4576167,4576748,582,OVER:EXACT
ID=NCLIV_029670 - 1 GTCATGC
4591963,4592856,894
ID=NCLIV_029740 - 1 A..ATG
4652786,4656619,3834
ID=NCLIV_029770 - 5 A..ATG
4675559,4675789,231,END:Starts:4675112-4675494-
4676348,4676517,170,EXACT,AG-GT
4677010,4677676,667,EXACT,AG-GT
4677832,4680528,2697,START: end -1498 GT
4681771,4681932,162

ID=NCLIV_029780 - 20 CAAATGG
4684260,4684454,195,END:Starts:4684024-4684060-
4684759,4685036,278,EXACT,AG
4685500,4685575,76,EXACT,ATG:AG-GT
4685892,4685989,98,EXACT,AG-GT
4686481,4687046,566,START: end -335 GT
4687211,4687354,144
4687675,4687853,179
4688262,4688439,178
4689098,4689240,143,END: start -7 AG-GT
4690024,4690179,156,START: end -13 GT
4690946,4691676,731
4692021,4692284,264,END: start 9 AG
4692557,4692767,211,START: end 2 GT
4693279,4693419,141,END: start 11 AG
4693507,4693743,237,START: end 124 AG-GT
4694276,4694690,415,EXACT,AG-GT
4695146,4695283,138,EXACT,AG-GT
4696014,4696270,257,START: end -24 GT
4696879,4697103,225,END: start 14 AG
4697556,4697678,123,START:Ends:4698571-4698522-
ID=NCLIV_029800 - 1 A..ATG
4704788,4705255,468
ID=NCLIV_029830 - 10 A..ATG
4731417,4731610,194
4731834,4731951,118,EXACT,AG-GT
4732555,4732737,183,EXACT,AG-GT
4733349,4733453,105,EXACT,ATG:AG-GT
4733909,4734079,171,EXACT,AG-GT
4734646,4734834,189,EXACT,AG-GT
4735399,4735490,92,EXACT,AG-GT
4735787,4735925,139,EXACT,AG-GT
4736576,4736695,120,EXACT,AG-GT
4737242,4737781,540,START:Ends:4740528-4739910-4741380-
ID=NCLIV_029840 - 3 A..ATG
4742006,4742140,135
4742856,4744107,1252
4745184,4745218,35
ID=NCLIV_029880 - 5 A..ATG
4767661,4767736,76,END:Starts:4764087-4767013-4766889-
4768448,4769391,944,EXACT,AG-GT
4769754,4769913,160,EXACT,AG-GT
4770594,4770730,137,EXACT,AG-GT
4771203,4771334,132,START:Ends:4773029-4772897-4773028-
ID=NCLIV_029900 - 2 A..ATG
4779353,4780251,899
4781295,4781424,130
ID=NCLIV_029930 - 5 GTCATGA
4801094,4801192,99,END:Starts:4800751-4800345-4800686-
4801600,4801713,114,EXACT,AG-GT
4802000,4802250,251,START: end -96 AG-GT
4803208,4803372,165,END: start -403 AG-GT
4804118,4804307,190,OVER:Ends:4805105-4804960-
ID=NCLIV_029940 - 9 CAAATGG
4807109,4807203,95,END:Starts:4806591-4806534-4806467-
4807950,4808016,67,EXACT,AG-GT
4808329,4808451,123,EXACT,AG-GT
4808833,4808982,150,EXACT,AG-GT
4809462,4809567,106,EXACT,AG-GT
4809919,4810049,131,EXACT,AG-GT

4811050,4811134,85,EXACT,AG-GT
 4811241,4811413,173,EXACT,AG-GT
 4811568,4811600,33,START:Ends:4812063-4812059-
 ID=NCLIV_029960 - 4 A..ATG
 4817440,4817643,204
 4817775,4818127,353
 4818209,4818287,79
 4818397,4820166,1770
 ID=NCLIV_029980 - 16 A..ATG
 4830411,4830512,102,END:Starts:4828920-4829215-
 4830904,4830981,78,EXACT,AG-GT
 4831214,4831281,68,EXACT,AG-GT
 4831745,4831816,72,EXACT,AG-GT
 4832076,4832140,65,EXACT,AG-GT
 4832792,4832997,206,EXACT,AG-GT
 4833596,4833753,158,EXACT,AG-GT
 4834003,4834102,100,EXACT,AG-GT
 4834417,4834482,66,EXACT,AG-GT
 4834953,4835030,78,EXACT,AG-GT
 4835381,4835554,174,START: end 4 GT
 4836062,4836148,87,END: start 7 AG
 4836348,4838096,1749,EXACT,ATG:AG-GT
 4838332,4838376,45,EXACT,AG-GT
 4838748,4838817,70,EXACT,AG-GT
 4839181,4839209,29,START:Ends:4840460-4840049-4840471-
 ID=NCLIV_029990 - 14 A..ATG
 4841802,4841986,185,END:Starts:4840763-4841355-4841219-
 4842335,4842395,61,EXACT,AG-GT
 4842836,4842934,99,EXACT,AG-GT
 4843369,4843422,54,START: end 9 GT
 4843809,4843921,113,END: start 4 Info:AG-GT-donor=TC-AG-GC- (ref:AC-GT)<< Possible error
 4844306,4844479,174,EXACT,AG-GT
 4844600,4844779,180,EXACT,AG-GT
 4844943,4845147,205,EXACT,AG-GT
 4845630,4845686,57,EXACT,AG-GT
 4846001,4846179,179,EXACT,AG-GT
 4846541,4846645,105,EXACT,AG-GT
 4846860,4847027,168,EXACT,AG-GT
 4847618,4847683,66,EXACT,AG-GT
 4848970,4849045,76,START:Ends:4849809-4849604-4849823-
 ID=NCLIV_030010 - 10 A..ATG
 4887906,4890482,2577,END:Starts:4887487-4887538-4887516-
 4890758,4890817,60,EXACT,AG-GT
 4891355,4891439,85,EXACT,AG-GT
 4892068,4892124,57,START: end -3 GT
 4892497,4892635,139,END: start -1 AG
 4893257,4894635,1379,EXACT,AG-GT
 4895108,4895771,664,EXACT,GT
 4896352,4896445,94,EXACT,GT
 4897279,4897745,467
 4898579,4899473,895
 ID=NCLIV_030030 - 6 A..ATG
 4911514,4911772,259
 4911831,4913213,1383
 4913856,4914297,442
 4914749,4915836,1088
 4916389,4916663,275
 4916932,4917195,264

CHROMOSOME VIII – FORWARD

ID=NCLIV_030050 + 18 G..ATGG
 1006,1108,103,END:Starts:637-567-
 1228,1341,114
 1710,1937,228
 2253,2288,36
 3007,3042,36
 3761,3796,36
 4409,4441,33
 4613,4648,36
 5261,5293,33
 5465,5512,48
 5845,5892,48
 6013,6171,159
 6272,6643,372
 6799,6837,39
 7183,7551,369
 8022,8143,122
 8486,8744,259
 9211,9812,602
 ID=NCLIV_030070 + 6 A..ATG
 23556,23694,139,END:Starts:22577-22527-22615-
 24284,24348,65,EXACT,AG-GT
 24741,24884,144,EXACT,AG-GT
 25180,25266,87,EXACT,AG-GT
 25678,25802,125,EXACT,AG-GT
 26066,26183,118,START:Ends:26897-27123-26852-
 ID=NCLIV_030100 + 2 [CT]..ATG[ACT]
 40799,41149,351
 41484,43115,1632
 ID=NCLIV_030110 + 6 A..ATG
 47604,47751,148
 48185,48626,442
 49001,49148,148
 49820,50268,449
 50326,50488,163
 51146,51274,129
 ID=NCLIV_030130 + 1 A..ATG
 69036,71210,2175
 ID=NCLIV_030150 + 1 A..ATG
 81292,82248,957
 ID=NCLIV_030160 + 1 A..ATG
 84462,85277,816
 ID=NCLIV_030190 + 1 G..ATGG
 104299,104937,639
 ID=NCLIV_030200 + 1 A..ATG
 107691,109913,2223
 ID=NCLIV_030230 + 11 [CT]..ATG[ACT]
 122591,122872,282
 123818,123983,166
 124382,124547,166
 124843,125020,178
 125486,132996,7511,END: start 6797 GT
 133289,133399,111,EXACT,AG-GT
 133785,134876,1092,EXACT,AG
 135481,136069,589
 136555,136656,102
 137289,137368,80
 137943,140586,2644
 ID=NCLIV_030300 + 5 CACATGG

183790,187438,3649,END:Starts:179658-186505-183858-
 187765,188049,285,START: end 641 AG-GT (ref:AG-GT)<< Possible error
 188536,188690,155,END: start -771 AG-GT (ref:AG-GT)<< Possible error
 188965,189199,235,EXACT,AG-GT
 189975,191587,1613,START:Ends:192334-192300-192688-
 ID=NCLIV_030310 + 1 A..ATG
 195096,197630,2535
 ID=NCLIV_030320 + 1 A..ATG
 201911,204823,2913
 ID=NCLIV_030360 + 1 GCGATGA
 227574,228218,645
 ID=NCLIV_030400 + 8 A..ATG
 247399,249962,2564,END:Starts:246252-246187-249220-
 250190,251531,1342,EXACT,AG-GT
 251978,252082,105,EXACT,AG-GT
 252595,252683,89,EXACT,AG-GT
 253078,253360,283,START: end -237 AG-GC
 253883,254002,120
 254270,254344,75
 254826,254885,60
 ID=NCLIV_030410 + 7 A..ATG
 258144,258148,5,END:Starts:257200-257137-257252-
 258615,258703,89,EXACT,AG-GT
 259124,259392,269,EXACT,AG-GT
 259665,259864,200,EXACT,AG-GT
 260104,260618,515,EXACT,AG-GT
 260984,261170,187,EXACT,TAG|TGA|TAA:AG-GT
 261739,261862,124,START:Ends:264509-264327-264359-
 ID=NCLIV_030430 + 9 A..ATG
 272507,272689,183,END:Starts:270701-271223-
 273230,273278,49,EXACT,AG-GT
 273856,273977,122,EXACT,AG-GT
 274533,274585,53,EXACT,AG-GT
 275223,275292,70,START: end 430 AG-GT
 275576,275722,147,END: start -353 AG-GT
 276210,276299,90,EXACT,AG-GT
 276620,276694,75,EXACT,AG-GT
 277207,278760,1554,START:Ends:279265-279298-
 ID=NCLIV_030440 + 2 A..ATG
 281681,282243,563,END:Starts:279404-279540-280363-
 282676,283015,340,START:Ends:282700-285561-285558-
 ID=NCLIV_030460 + 10 A..ATG
 298728,305284,6557,OVER:Starts:297787-297401-
 305655,311376,5722,END: start 12 GT (ref:AG-GT)<< Possible error
 311633,311778,146,EXACT,AG-GT
 312149,312683,535,EXACT,AG-GT
 312930,314338,1409,EXACT,AG-GT
 314758,314874,117,EXACT,AG-GT
 315167,315455,289,EXACT,AG-GT
 315964,316143,180,EXACT,AG-GT
 316519,316614,96,EXACT,AG-GT
 316886,317209,324,START:Ends:318886-319726-319083-
 ID=NCLIV_030470 + 7 A..ATG
 321654,322120,467,END:Starts:320356-320755-321393-
 322905,322974,70,EXACT,AG-GT
 323295,323380,86,EXACT,TAG|TGA|TAA:AG-GT
 324019,324088,70,EXACT,AG-GT
 324427,324526,100,EXACT,AG-GT
 325143,325685,543,EXACT,AG-GT
 326038,328514,2477,START:Ends:330318-331854-332069-

ID=NCLIV_030490 + 4 A..ATG
340714,340717,4,END:Starts:340607-340600-340596-
341813,341912,100,EXACT,AG-GT
342435,342513,79,EXACT,AG-GT
343530,343778,249,START:Ends:343774-344090-

ID=NCLIV_030560 + 1 A..ATG
396555,400331,3777

ID=NCLIV_030570 + 8 GAGATGC
402765,402810,46
404310,404433,124
404849,405660,812
406557,406776,220
407389,407482,94
407835,407989,155
408269,408362,94
409865,410413,549

ID=NCLIV_030590 + 9 A..ATG
419050,420127,1078,OVER:Starts:418718-418729-419385-
420503,420589,87,END: start 3 GT (ref:AG-GT)<< Possible error
420801,420920,120,EXACT,AG-GT
421298,421378,81,EXACT,AG-GT
422036,422217,182,EXACT,AG-GT
422900,423025,126,EXACT,AG-GT
423252,423359,108,EXACT,AG-GT
423800,423898,99,EXACT,AG-GT
424460,424654,195,START:Ends:425371-425331-425271-

ID=NCLIV_030630 + 2 A..ATG
439672,439824,153,END:EXACT
440024,440380,357,START:Ends:440751-440785-440756-

ID=NCLIV_0306+ 8 A..ATG
442946,443255,310,END:Starts:442715-441252-442733-
443851,444048,198,EXACT,AG-GT
444358,444489,132,START: end 19 AG
444713,444738,26
444797,445381,585,END: start 59 GT (ref:AG-GT)<< Possible error
445663,445964,302,EXACT,AG-GT
446401,446506,106,EXACT,AG-GT
446875,447087,213,START:Ends:447955-447868-447920-

ID=NCLIV_030650 + 10 A..ATG
450103,450249,147,END:Starts:449437-449188-449433-
450984,451189,206,START: end -18 AG
451766,451898,133,END: start 8 GT (ref:AG-GT)<< Possible error
452549,452684,136,EXACT,AG-GT
452942,453069,128,EXACT,AG-GT
453682,453740,59,EXACT,AG-GT
454023,454122,100,EXACT,AG-GT
454480,454648,169,EXACT,AG-GT
455093,455177,85,EXACT,AG-GT
455479,455566,88,START:Ends:455654-455680-455648-

ID=NCLIV_030680 + 10 A..ATG
494175,494660,486,END:Starts:492910-492937-492963-
495066,495222,157,EXACT,ATG to TAG|TGA|TAA:AG-GT
495681,495766,86,EXACT,AG-GT
496527,496652,126,EXACT,AG-GT
497074,497220,147,EXACT,AG-GT
497738,497887,150,EXACT,AG-GT
498408,498485,78,END: start 23 GT
498932,499124,193,EXACT,AG-GT
499699,499746,48,EXACT,GT
500332,501215,884,START:Starts:500332-

ID=NCLIV_030690 + 6 G..ATGG
 503389,503575,187,END:Starts:500332-
 504087,504198,112,EXACT,AG-GT
 504600,504907,308,EXACT,AG-GT
 505377,505943,567,EXACT,ATG:AG-GT
 506224,506471,248,EXACT,AG-GT
 507045,507890,846,START:Ends:508187-508439-
 ID=NCLIV_030720 + 6 A..ATG
 523828,524075,248
 524418,524627,210
 524949,525103,155,EXACT,AG-GT
 526096,526323,228,EXACT,AG-GT
 526464,526649,186,EXACT,AG-GT
 527139,527335,197,OVER:Ends:527536-527687-527592-
 ID=NCLIV_030730 + 3 GGCATGC
 529066,529588,523
 529990,530120,131
 530532,530879,348
 ID=NCLIV_030750 + 19 A..ATG
 534838,535408,571
 535776,536822,1047
 537199,537274,76
 537781,538129,349
 538978,539061,84
 539817,539880,64
 540556,540730,175
 541453,541910,458
 542574,542707,134
 543510,543586,77
 544104,544667,564
 544982,545015,34,END: start -184 GT
 545726,547850,2125,END: start 1336 GT
 549044,549146,103
 549796,549915,120,END: start 4 GT
 550425,550556,132,END: start 33 AG-GT
 551025,551469,445,EXACT,AG-GT
 551954,552145,192,EXACT,Info:AG-GC-AG-GT-
 552693,553499,807,START:Ends:553661-553546-
 ID=NCLIV_030760 + 7 CTCATGG
 556401,556453,53,END:Starts:555276-555244-555827-
 556923,557104,182,EXACT,AG-GT
 557452,557556,105,EXACT,AG-GT
 558110,558209,100,EXACT,AG-GT
 558609,558757,149,EXACT,AG-GT
 559252,559337,86,EXACT,AG-GT
 560156,560248,93,START:EXACT
 ID=NCLIV_030780 + 4 A..ATG
 566930,567061,132,END:Starts:565761-565757-565753-
 567562,567690,129,EXACT,AG-GT
 568294,568525,232,EXACT,AG-GT
 568834,568862,29,START:Ends:569241-569299-569204-
 ID=NCLIV_030790 + 4 [CT]..ATG[ACT]
 574075,574102,28
 574431,574570,140
 575121,575171,51
 575327,575536,210
 ID=NCLIV_030800 + 1 A..ATG
 588870,592853,3984
 ID=NCLIV_030840 + 2 A..ATG
 625049,625727,679,END:Starts:622817-623467-623489-

626035,626234,200,START:Ends:627281-627448-627397-
ID=NCLIV_030850 + 2 [CT]..ATG[ACT]
632644,632834,191
633272,633719,448
ID=NCLIV_030860 + 5 A..ATG
636551,636855,305,END:EXACT
637109,637581,473,EXACT,AG-GT
638036,638265,230,EXACT,AG-GT
638489,638720,232,EXACT,AG-GT
639140,639594,455,START:Ends:639942-639967-639916-
ID=NCLIV_030880 + 5 GCCATGT
656791,656868,78,END:Starts:656391-656369-656368-
657403,657678,276,EXACT,AG-GT
658213,658425,213,EXACT,AG-GT
658598,658696,99,EXACT,AG-GT
658973,659143,171,START:Ends:659737-659745-659690-
ID=NCLIV_030890 + 4 [CT]..ATG[ACT]
662229,663275,1047,END:Starts:661375-660989-
663868,664046,179,OVER: start -48 and end 884 AG-GT (ref:AG-GT)<< Possible error
664480,664930,451,END: start -68 GT (ref:AG-GT)<< Possible error
665438,666517,1080,START:Ends:666816-666887-666857-
ID=NCLIV_030920 + 13 A..ATG
688462,689845,1384,END:Starts:686705-686810-686770-
690644,691712,1069,EXACT,AG-GT
692055,693616,1562,EXACT,AG-GT
693969,694191,223,EXACT,AG-GT
694604,695711,1108,EXACT,AG-GT
696083,696119,37,EXACT,AG-GT
696690,696796,107,EXACT,AG-GT
697134,697205,72,EXACT,AG-GT
697399,697585,187,EXACT,AG-GT
697890,698150,261,EXACT,AG-GT
698403,698505,103,EXACT,AG-GT
698898,699076,179,EXACT,AG-GT
699533,699549,17,START:Ends:701753-701698-702064-
ID=NCLIV_030940 + 19 A..ATG
707702,707860,159,END:EXACT
708570,708724,155,EXACT,AG-GT
709160,709298,139,EXACT,AG-GT
709650,709886,237,EXACT,AG-GT
710709,710987,279,EXACT,AG-GT
711364,711651,288,EXACT,AG-GT
711811,712139,329,EXACT,AG-GT
712645,712788,144,EXACT,AG-GT
713146,713338,193,EXACT,AG-GT
713834,713954,121,EXACT,AG-GT
714087,714254,168,EXACT,AG-GT
714746,714963,218,START: end 45 ATG:AG-GC (ref:AG-GT)<< Possible error
715472,715553,82,EXACT,AG-GT
715750,715815,66,EXACT,AG-GT
716273,716580,308,EXACT,AG-GT
717039,717137,99,EXACT,AG-GT
717753,717827,75,EXACT,AG-GT
718146,718248,103,START: end -7 AG-GC
718704,718780,77
ID=NCLIV_030950 + 8 A..ATG
723465,723495,31,OVER:Starts:722257-722180-722275-
723870,723987,118,END: start -1613 GT (ref:AG-GT)<< Possible error
724490,724597,108,EXACT,AG-GT
725118,725205,88,START: end -11 AG

725512,725602,91,END: start -5 GT (ref:AG-GT)<< Possible error
 726180,726268,89,EXACT,AG-GT
 726607,726678,72,EXACT,AG-GT
 727082,727150,69,START:Ends:728118-728179-728208-
 ID=NCLIV_030970 + 6 A..ATG
 739187,739354,168,END:Starts:738596-738563-738611-
 739694,740101,408,EXACT,AG-GT
 740492,740842,351,START: end -19 AG-GC
 741413,741671,259,END: start -97 AG-GT (ref:AG-GT)<< Possible error
 742203,742396,194,EXACT,ATG:AG-GT
 742677,742919,243,START:Ends:743462-743572-743488-
 ID=NCLIV_030990 + 1 [CT]..ATG[ACT]
 751216,752094,879
 ID=NCLIV_031000 + 1 A..ATG
 754975,755232,258
 ID=NCLIV_031010 + 18 A..ATG
 760665,760879,215,END:Starts:759012-759083-
 761307,761442,136,EXACT,AG-GT
 761816,761910,95,EXACT,AG-GT
 762164,762687,524,EXACT,AG-GT
 763096,763305,210,EXACT,AG-GT
 764249,765432,1184,EXACT,AG-GT
 765854,765891,38,EXACT,AG-GT
 766492,766568,77,EXACT,AG-GT
 767118,767199,82,EXACT,AG-GT
 767608,767821,214,EXACT,AG-GT
 768304,768430,127,EXACT,AG-GT
 769124,769215,92,EXACT,AG-GT
 769928,770081,154,EXACT,AG-GT
 770353,770494,142,EXACT,AG-GT
 771218,771269,52,EXACT,AG-GT
 771556,771676,121,EXACT,ATG:AG-GT
 772371,772487,117,EXACT,AG-GT
 772831,772985,155,START:EXACT
 ID=NCLIV_031020 + 7 GAAATGA
 777070,778127,1058,END:Starts:776145-776120-
 778573,778845,273,EXACT,AG-GT
 779449,779494,46,EXACT,AG-GT
 780364,780459,96,EXACT,AG-GT
 781377,781523,147,EXACT,AG-GT
 781813,781847,35,EXACT,AG-GT
 782224,782329,106,START:Ends:782311-782632-782886-
 ID=NCLIV_031040 + 1 A..ATG
 786971,787489,519
 ID=NCLIV_031100 + 5 G..ATGG
 818428,819999,1572,END:Starts:819016-819303-
 820403,820839,437,EXACT,AG
 821280,821412,133
 821841,821899,59
 822170,822608,439
 ID=NCLIV_031110 + 8 GCAATGT
 828063,828261,199
 828882,829019,138
 829259,829735,477
 830161,830625,465
 831433,831794,362
 833353,833630,278
 833958,834042,85
 835540,835602,63
 ID=NCLIV_031130 + 4 GAAATGC

851284,851330,47
 851873,853514,1642
 853852,853992,141,EXACT,AG-GT
 854290,854784,495,START:Ends:856379-855682-855768-
 ID=NCLIV_031150 + 1 A..ATG
 858332,863194,4863
 ID=NCLIV_0311+ 8 A..ATG
 884717,884769,53
 885439,885530,92
 885779,886008,230
 886906,887115,210
 887918,888106,189
 888394,888506,113
 889225,889410,186
 889608,889680,73
 ID=NCLIV_031200 + 12 A..ATG
 906965,909247,2283,END:Starts:906349-906344-
 909525,910165,641,EXACT,AG-GT
 910867,912474,1608,EXACT,AG-GT
 912839,912930,92,START: end 38 AG
 913406,913644,239,END: start -73 GT
 913974,914048,75,EXACT,AG
 914329,914392,64,START: end 609 AG
 915352,915499,148
 916035,916134,100,END: start -63 GT
 916506,916801,296,EXACT,AG-GT
 917481,917652,172,START: end 22 AG
 917992,918060,69,OVER:Ends:919336-919468-
 ID=NCLIV_031210 + 6 G..ATGG
 920662,922699,2038,END:Starts:920324-920264-
 923674,923792,119,START: end -7 AG
 924344,925171,828,END: start -70 GT (ref:AG-GT)<< Possible error
 925588,925696,109,EXACT,AG-GT
 926084,926591,508,EXACT,AG-GT
 927518,927581,64,OVER:Ends:927733-927978-927852-
 ID=NCLIV_031220 + 1 TTCATGG
 929866,931641,1776
 ID=NCLIV_031250 + 3 A..ATG
 980546,981286,741,END:Starts:980012-980014-979949-
 981825,982271,447,EXACT,AG-GT
 982569,982733,165,START:Ends:983303-983262-
 ID=NCLIV_031270 + 1 A..ATG
 994188,997346,3159
 ID=NCLIV_031290 + 6 [CT]..ATG[ACT]
 1006721,1007262,542
 1007737,1008575,839
 1009341,1009876,536
 1010069,1010125,57
 1010686,1010841,156
 1011176,1011385,210
 ID=NCLIV_031310 + 3 A..ATG
 1022687,1024164,1478,END:Starts:1021508-1021123-1023782-
 1024745,1024874,130,EXACT,AG-GT
 1025025,1025153,129,START:EXACT
 ID=NCLIV_031320 + 7 GTGATGA
 1029993,1030758,766,END:EXACT
 1031148,1031351,204,EXACT,AG-GT
 1031785,1034750,2966,EXACT,AG-GT
 1035160,1035187,28,EXACT,ATG:AG-GT
 1035441,1035748,308,EXACT,AG-GT

1036289,1036545,257,EXACT,AG-GT
 1036845,1037067,223,START:Ends:1037484-1037529-1037490-
 ID=NCLIV_031330 + 1 A..ATG
 1040141,1046965,6825
 ID=NCLIV_031360 + 1 GCGATGC
 1085639,1088344,2706
 ID=NCLIV_031390 + 3 A..ATG
 1111036,1111267,232,END:Starts:1107428-1107425-1109549-
 1111811,1111917,107,EXACT,AG-GT
 1112253,1112525,273,START:Ends:1112558-1112556-1112264-
 ID=NCLIV_031410 + 5 A..ATG
 1118407,1119097,691,END:Starts:1117754-1117421-1117554-
 1119663,1119713,51,EXACT,AG-GT
 1120168,1120310,143,EXACT,AG-GT
 1120685,1120800,116
 1121399,1121447,49,START:EXACT
 ID=NCLIV_031430 + 2 [CT]..ATG[ACT]
 1133963,1135001,1039
 1135185,1137154,1970
 ID=NCLIV_031440 + 1 A..ATG
 1140271,1140525,255,OVER:Ends:1140616-1140640-1140601-
 ID=NCLIV_031460 + 5 TCAATGG
 1147123,1147522,400
 1148154,1148501,348,END: start 69 AG-GT
 1148745,1149116,372,EXACT,Info:AG-GC-AG-GT-
 1149603,1149698,96
 1150477,1150793,317,OVER:Starts:1150434-1150292-
 ID=NCLIV_031480 + 3 GAGATGA
 1157511,1157627,117,END:Starts:1156542-1156944-
 1157982,1158069,88,EXACT,AG-GT
 1158660,1158913,254,START:EXACT
 ID=NCLIV_031490 + 1 [CT]..ATG[ACT]
 1161983,1162846,864
 ID=NCLIV_031500 + 10 A..ATG
 1166704,1166952,249
 1167376,1168221,846,END: start 43 GT
 1168550,1168639,90,START: end -38 AG
 1168950,1168992,43,END: start -2 GT
 1169243,1169432,190,EXACT,AG-GT
 1169750,1169864,115,EXACT,AG-GT
 1170191,1170381,191,EXACT,AG-GT
 1170797,1170970,174,EXACT,AG-GT
 1171375,1171540,166,EXACT,AG-GT
 1171845,1172078,234,START:EXACT
 ID=NCLIV_031510 + 3 A..ATG
 1175919,1175993,75,END:EXACT
 1176426,1176536,111
 1176668,1176919,252,START:Ends:1177094-1177105-1177093-
 ID=NCLIV_031520 + 3 A..ATG
 1181600,1182557,958,END:Starts:1180964-1180381-
 1183156,1183865,710,END: start 627 GT (ref:AG-GT)<< Possible error
 1184239,1184544,306,START:Ends:1185106-1185171-1185117-
 ID=NCLIV_031530 + 2 G..ATGG
 1187557,1187859,303,END:Starts:1186942-1186370-1186965-
 1188745,1189005,261,START:Ends:1189299-1189346-1189323-
 ID=NCLIV_031570 + 9 A..ATG
 1221162,1222223,1062,OVER:Starts:1223699-1221089-
 1222557,1223169,613,OVER: start -1468 and end 2156 GT
 1223699,1224000,302,OVER: start -2610 and end 1325 GT
 1224571,1225325,755,END: start -3482 GT

1225686,1226313,628,START: end 1134 AG-GT
1226553,1227447,895,EXACT,AG-GT
1227658,1228121,464
1228426,1228537,112
1228914,1232353,3440
ID=NCLIV_031590 + 3 A..ATG
1244830,1245710,881,END:Starts:1243553-1243690-1243684-
1246116,1246197,82,EXACT,AG-GT
1246563,1247021,459,START:Ends:1248357-1248318-1248287-
ID=NCLIV_031600 + 7 A..ATG
1251468,1251854,387
1252239,1252389,151
1252954,1253065,112
1253707,1253807,101
1253939,1254050,112
1254416,1254668,253
1255151,1256605,1455
ID=NCLIV_031620 + 15 A..ATG
1265335,1265384,50,OVER:Starts:1264817-1264846-
1266280,1266354,75,END: start -1434 GT
1266828,1267074,247,START: end -15 AG
1267794,1267893,100,END: start -2 GT
1268585,1268637,53,EXACT,AG-GT
1269143,1269206,64,START: end 610 AG
1269735,1269816,82,END: start -592 AG
1270255,1270345,91
1270829,1270927,99
1271419,1271471,53,END: start -41 GT
1271948,1272129,182,EXACT,AG-GT
1272447,1272581,135,EXACT,AG-GT
1273069,1273191,123,START: end 742 AG-GT
1273572,1273933,362,END: start -358 AG-GT
1274372,1274842,471,START:Ends:1275255-1274836-1275217-
ID=NCLIV_031640 + 4 TTCATGG
1289835,1289877,43,END:Starts:1288205-1289297-1289303-
1290399,1290495,97,START: end 269 AG-GT
1290687,1290764,78,END: start -288 AG-GT
1291263,1291437,175,START:Ends:1291764-1291763-1291823-
ID=NCLIV_031650 + 2 A..ATG
1293453,1293507,55
1294022,1294758,737
ID=NCLIV_031660 + 6 A..ATG
1296933,1297126,194
1297451,1297659,209
1298104,1298412,309
1298778,1299027,250,EXACT,GT
1299438,1299698,261,EXACT,AG-GT
1300129,1300366,238,START:Ends:1300927-1304240-
ID=NCLIV_031670 + 11 A..ATG
1304738,1305102,365,END:Starts:1304436-1304462-1304447-
1305669,1305776,108,EXACT,AG-GT
1306190,1306335,146,EXACT,AG-GT
1306578,1306693,116,EXACT,AG-GT
1306842,1306972,131,EXACT,AG-GT
1307471,1307876,406,EXACT,AG-GT
1308094,1308248,155,EXACT,AG-GT
1308511,1308639,129,EXACT,AG-GT
1308736,1308829,94,EXACT,AG-GT
1309942,1309985,44
1310292,1310346,55

ID=NCLIV_031680 + 14 A..ATG
1310689,1310742,54
1310818,1310831,14
1310906,1310986,81
1311042,1311118,77
1311465,1311607,143
1311750,1311824,75
1311886,1311928,43
1312045,1312176,132
1312237,1312360,124
1312430,1312554,125
1312611,1312693,83
1312745,1312802,58
1312861,1313017,157
1313081,1313114,34

ID=NCLIV_031710 + 3 GGAATGA
1342345,1342461,117,END:Starts:1340996-1340538-
1343651,1344246,596,EXACT,AG-GT
1344682,1344751,70,START:Ends:1345178-1345258-1345090-

ID=NCLIV_031740 + 6 A..ATG
1373346,1373431,86,END:Starts:1372703-1372723-1373212-
1373858,1374029,172,END: start -90 AG-GT (ref:AG-GT)<< Possible error
1374553,1374780,228,EXACT,AG-GT
1375083,1375202,120,EXACT,AG-GT
1375724,1375789,66,EXACT,AG-GT
1376301,1376351,51,START:Ends:1378499-1378482-1376367-

ID=NCLIV_031760 + 16 A..ATG
1390581,1390591,11
1390855,1390978,124
1391449,1391761,313
1392181,1392287,107
1393414,1393602,189
1393928,1394014,87
1395678,1396015,338
1396466,1396595,130
1397190,1397411,222
1397744,1397963,220
1398260,1398358,99
1399239,1399524,286
1399906,1399967,62
1400367,1401009,643
1401346,1401517,172
1401866,1402099,234

ID=NCLIV_031780 + 5 A..ATG
1413319,1413579,261,END:Starts:1412812-1412601-1412723-
1414041,1414190,150,EXACT,AG-GT
1414294,1414508,215,EXACT,AG-GT
1414698,1414986,289,EXACT,AG-GT
1415210,1416115,906,START:Ends:1416667-1416669-1416587-

ID=NCLIV_031790 + 3 G..ATGG
1419364,1419828,465,END:Starts:1418750-1418742-1419741-
1420232,1420505,274,EXACT,AG-GT
1420827,1421980,1154,START:Ends:1422091-1422054-1422018-

ID=NCLIV_031800 + 4 G..ATGG
1425864,1426193,330
1427295,1427554,260
1427841,1428101,261
1428711,1428861,151

ID=NCLIV_031830 + 6 TCCATGG
1441913,1442834,922

1443316,1443443,128
 1443719,1445771,2053
 1446222,1447665,1444
 1448018,1449643,1626
 1450326,1451847,1522
 ID=NCLIV_031840 + 8 GCGATGA
 1454129,1460750,6622
 1461100,1461799,700
 1462350,1462900,551
 1463478,1463677,200
 1464343,1464687,345
 1465232,1465610,379
 1465823,1467072,1250
 1467427,1468695,1269
 ID=NCLIV_031850 + 6 [CT]..ATG[ACT]
 1472875,1474596,1722,END:Starts:1473474-1471550-1474089-
 1474899,1474946,48,EXACT,AG-GT
 1475113,1475249,137,EXACT,AG-GT
 1475956,1476093,138,END: start 8 GT (ref:AG-GT)<< Possible error
 1476351,1476418,68,EXACT,TAG|TGA|TAA:AG-GT
 1476851,1477458,608,START:Ends:1477612-1477611-1477620-
 ID=NCLIV_031860 + 7 A..ATG
 1481701,1481782,82,END:EXACT
 1482413,1482511,99,EXACT,AG-GT
 1483030,1483304,275,EXACT,AG-GT
 1483864,1483971,108,EXACT,AG-GT
 1484277,1484405,129,START: end 589 AG-GT
 1484835,1484994,160,END: start -558 AG-GT
 1485456,1485568,113,START:EXACT
 ID=NCLIV_031870 + 1 GCAATGC
 1487457,1488272,816
 ID=NCLIV_031880 + 15 A..ATG
 1490980,1491135,156
 1491972,1492251,280
 1492862,1493331,470
 1494023,1494355,333
 1494775,1494897,123
 1495532,1495792,261
 1496348,1496453,106
 1497600,1497808,209
 1498403,1498464,62
 1498755,1498869,115
 1499382,1499560,179,EXACT,GT
 1499977,1500137,161,EXACT,Info:AG-GC-TAG|TGA|TAA:AG-GT-
 1500555,1500656,102
 1501035,1501099,65
 1501760,1501873,114
 ID=NCLIV_0319+ 6 [CT]..ATG[ACT]
 1509144,1509566,423,END:Starts:1507739-1509451-
 1510254,1510569,316,END: start -1 GT
 1510956,1511263,308,EXACT,AG
 1511884,1512099,216
 1512737,1512805,69
 1513159,1513254,96
 ID=NCLIV_031920 + 6 A..ATG
 1522522,1522698,177,END:Starts:1522014-1521974-1522033-
 1523115,1523207,93,EXACT,AG-GT
 1523840,1523909,70,EXACT,AG-GT
 1524447,1524676,230,START: end -1 AG
 1525116,1525346,231,END: start 16 GT (ref:AG-GT)<< Possible error

1525884,1526030,147,START:Ends:1526539-1526593-1526574-
 ID=NCLIV_031950 + 7 A..ATG
 1549423,1549529,107,END:Starts:1547751-1547392-1549255-
 1549711,1549915,205,START: end 44 AG-GT
 1550438,1550711,274,END: start -81 AG-GT (ref:AG-GT)<< Possible error
 1551185,1551273,89,EXACT,AG-GT
 1551715,1551817,103,EXACT,AG-GT
 1552367,1552515,149,EXACT,AG-GT
 1552824,1553117,294,START:Ends:1553246-1553240-1553236-
 ID=NCLIV_031960 + 3 A..ATG
 1555288,1556017,730
 1556522,1556718,197
 1557128,1557238,111
 ID=NCLIV_031970 + 14 A..ATG
 1570485,1572228,1744,END:Starts:1569544-1569591-1569612-
 1572988,1573565,578,EXACT,AG-GT
 1573904,1575163,1260,EXACT,AG-GT
 1575729,1576204,476,EXACT,AG-GT
 1576813,1577506,694,EXACT,AG-GT
 1578004,1578407,404,EXACT,AG-GT
 1578739,1578871,133,EXACT,AG-GT
 1579272,1579400,129,EXACT,AG-GT
 1579749,1579945,197,EXACT,AG-GT
 1580250,1580472,223,EXACT,AG-GT
 1580975,1581227,253,START: end -15 AG-GC (ref:AG-GT)<< Possible error
 1581778,1583060,1283,EXACT,AG-GT
 1583277,1583479,203,EXACT,AG-GT
 1583856,1583937,82,START:Ends:1584852-1585429-1584680-
 ID=NCLIV_032000 + 2 A..ATG
 1628184,1628613,430,END:Starts:1627650-1627585-1627568-
 1629031,1630448,1418,START:Ends:1631117-1629636-1631615-
 ID=NCLIV_032010 + 3 A..ATG
 1635263,1636046,784,END:EXACT
 1636458,1636476,19,START: end 11854 AG
 1637203,1647838,10636,OVER:EXACT
 ID=NCLIV_032030 + 5 [CT]..ATG[ACT]
 1658072,1658137,66,END:Starts:1657282-1657257-1657284-
 1658684,1658713,30,EXACT,AG-GT
 1659546,1659575,30,EXACT,AG-GT
 1660144,1660176,33,EXACT,AG-GT
 1660946,1661281,336,START:Ends:1661904-1662075-1665026-
 ID=NCLIV_032040 + 1 G..ATGG
 1664827,1666932,2106
 ID=NCLIV_032060 + 8 [CT]..ATG[ACT]
 1682153,1682414,262
 1683196,1683259,64,END: start 13 GT
 1683601,1683653,53,EXACT,AG-GT
 1684134,1684895,762,EXACT,AG
 1685131,1685143,13
 1685750,1685891,142
 1686479,1686526,48
 1686974,1687018,45
 ID=NCLIV_032080 + 2 [CT]..ATG[ACT]
 1730201,1730914,714,END:Starts:1730435-1728739-1729348-
 1731373,1731618,246,START:Ends:1733280-1734015-1737798-
 ID=NCLIV_032100 + 15 A..ATG
 1739203,1739219,17
 1740405,1742797,2393
 1743194,1743311,118
 1743730,1745040,1311,END: start 191 GT

1745583,1746277,695,EXACT,AG-GT
1746864,1746994,131
1747117,1747267,151,EXACT,AG-GT
1747845,1747925,81,EXACT,AG-GT
1748321,1748439,119,EXACT,AG-GT
1748776,1748923,148,EXACT,AG-GT
1749643,1749757,115,EXACT,AG-GT
1750317,1750488,172,EXACT,AG-GT
1750860,1750953,94,START: end -13 AG-GT
1751593,1751758,166,START: end 687 ATG:AG-GT
1752204,1752270,67,OVER:Ends:1752591-1752445-
ID=NCLIV_032110 + 7 A..ATG
1755320,1755928,609,END:EXACT
1756121,1756189,69,EXACT,AG-GT
1756347,1756463,117,EXACT,AG-GT
1756783,1756932,150,EXACT,AG-GT
1757091,1757168,78,START: end 1691 AG
1757378,1757464,87,OVER: start -287 and end 1395 AG
1757680,1757952,273,OVER:Ends:1758859-1757159-1758865-
ID=NCLIV_032130 + 17 A..ATG
1763560,1763917,358,END:Starts:1762152-1762402-1762548-
1764513,1764905,393,EXACT,AG-GT
1765462,1765555,94,EXACT,AG-GT
1766465,1766682,218,EXACT,AG-GT
1767082,1767212,131,END: start 1 GT (ref:AG-GT)<< Possible error
1767552,1767696,145,EXACT,AG-GT
1767892,1767986,95,EXACT,AG-GT
1768585,1768711,127,EXACT,AG-GT
1769180,1769364,185,EXACT,AG-GT
1769805,1769915,111,EXACT,AG-GT
1770234,1770365,132,EXACT,AG-GT
1770699,1770836,138,START: end -7 AG
1771057,1771252,196,END: start -1 GT (ref:AG-GT)<< Possible error
1771405,1771456,52,EXACT,AG-GT
1771804,1772139,336,EXACT,AG-GT
1772619,1772736,118,EXACT,AG-GT
1773348,1773404,57,START:Ends:1773455-1777613-
ID=NCLIV_032180 + 13 A..ATG
1804533,1808084,3552,END:Starts:1807782-1807295-1807774-
1808331,1808498,168,START: end 5 AG
1809285,1809375,91
1810075,1810520,446
1810919,1812310,1392,END: start 1117 GT
1812557,1812924,368,EXACT,AG
1812981,1813079,99
1813509,1814590,1082,END: start 380 GT
1815105,1815340,236,EXACT,AG
1815925,1816626,702,EXACT,GT
1817035,1817511,477,START: end -43 AG-GT
1817928,1818239,312,END: start -135 GT
1818946,1820202,1257,START:Ends:1820923-1820925-
ID=NCLIV_032190 + 4 CTCATGG
1823319,1823382,64
1823450,1823586,137
1823647,1823697,51
1823753,1823977,225
ID=NCLIV_032210 + 3 A..ATG
1829009,1831618,2610,END:Starts:1828144-1830590-
1832087,1832509,423,EXACT,AG-GT
1832872,1833054,183,START:Ends:1833836-1833809-

ID=NCLIV_032230 + 2 GCCATGA
 1837893,1838954,1062,END:Starts:1837087-1837022-
 1839566,1841986,2421,START:Ends:1842637-1844599-
 ID=NCLIV_032260 + 1 A..ATG
 1861146,1862780,1635
 ID=NCLIV_032270 + 4 A..ATG
 1864447,1864863,417,END:Starts:1864283-1864187-1864289-
 1865339,1865506,168,EXACT,ATG:AG-GT
 1865734,1866109,376,EXACT,AG-GT
 1866424,1866455,32,START:Ends:1867330-1867366-1867360-
 ID=NCLIV_032280 + 8 GCCATGC
 1867495,1867549,55
 1868895,1868961,67
 1869023,1869114,92
 1869171,1869221,51
 1869281,1869360,80
 1869417,1869453,37
 1869512,1869588,77
 1869644,1869727,84
 ID=NCLIV_032330 + 2 A..ATG
 1900845,1900974,130,END:Starts:1900495-1900480-1900567-
 1901568,1902427,860,START:Ends:1903228-1903320-1903343-
 ID=NCLIV_032370 + 2 A..ATG
 1943233,1944426,1194,END:EXACT
 1944885,1945049,165,START:Ends:1945357-1945370-1945399-
 ID=NCLIV_032430 + 8 A..ATG
 1966407,1966559,153,END:EXACT
 1967104,1967280,177,EXACT,AG-GT
 1967724,1967949,226,EXACT,AG-GT
 1968461,1968645,185,EXACT,AG-GT
 1968808,1968894,87,EXACT,AG-GT
 1969212,1969412,201,EXACT,ATG:AG-GT
 1969758,1969919,162,EXACT,AG-GT
 1970446,1970679,234,START:Ends:1971316-1971326-1971324-
 ID=NCLIV_032450 + 1 A..ATG
 1981464,1982093,630
 ID=NCLIV_032460 + 14 [CT]..ATG[ACT]
 1983026,1983124,99
 1983181,1983285,105
 1983342,1983423,82
 1983476,1983548,73
 1983602,1983722,121
 1983779,1983826,48
 1983907,1983978,72
 1984029,1984115,87
 1984173,1984338,166
 1984395,1984434,40
 1984500,1984529,30
 1984588,1984621,34
 1984672,1984776,105
 1984932,1985069,138
 ID=NCLIV_032480 + 8 [CT]..ATG[ACT]
 1992678,1992711,34,OVER:Starts:1991839-1991835-1994363-
 1992776,1994943,2168,END: start -937 GT (ref:AG-GT)<< Possible error
 1995497,1995854,358,EXACT,AG-GT
 1996228,1996538,311,EXACT,AG-GT
 1997190,1997276,87,START: end 415 AG-GT
 1997847,1998164,318,END: start 257 AG-GT (ref:AG-GT)<< Possible error
 1998753,1998819,67,START: end -4 AG-GC (ref:AG-GT)<< Possible error
 1999171,1999559,389,START:Ends:1999800-1999802-1999794-

ID=NCLIV_032500 + 1 GAAATGA
 2006200,2011407,5208
 ID=NCLIV_032520 + 2 A..ATG
 2021705,2021942,238,END:Starts:2020757-2021085-2021104-
 2022409,2022851,443,START:Ends:2023011-2023023-2023076-
 ID=NCLIV_032530 + 8 [CT]..ATG[ACT]
 2026302,2026827,526
 2027355,2027386,32
 2027923,2027986,64
 2028159,2028331,173
 2028920,2030042,1123
 2030376,2030448,73
 2030764,2031244,481,START: end 2683 AG
 2031795,2031866,72,OVER:Ends:2033927-2031641-2034120-
 ID=NCLIV_032560 + 4 [CT]..ATG[ACT]
 2050171,2050208,38
 2050851,2050928,78,OVER: start -404 and end 1234 GT (ref:AG-GT)<< Possible error
 2051219,2052162,944,END: start -772 GT (ref:AG-GT)<< Possible error
 2052965,2053947,983,START:Ends:2054642-2055544-2055568-
 ID=NCLIV_032580 + 3 A..ATG
 2058590,2059217,628
 2059601,2062066,2466
 2062982,2063250,269
 ID=NCLIV_032600 + 1 A..ATG
 2067288,2068433,1146
 ID=NCLIV_032630 + 3 A..ATG
 2080340,2083214,2875,END:EXACT
 2083584,2083972,389,EXACT,AG-GT
 2084117,2084209,93,START:Ends:2084814-2084685-2084849-
 ID=NCLIV_032650 + 8 CCGATGG
 2096261,2096387,127,END:Starts:2095287-2095292-
 2096484,2096560,77,END: start 39 AG-GT
 2096683,2096744,62,EXACT,AG-GT
 2096881,2097056,176,EXACT,TAG|TGA|TAA:AG-GT
 2097214,2097324,111,EXACT,AG-GT
 2097424,2097494,71,EXACT,AG-GT
 2097621,2097666,46,EXACT,AG-GT
 2097847,2097986,140,START:Ends:2098498-2100080-
 ID=NCLIV_032660 + 4 A..ATG
 2100466,2100628,163,OVER:Starts:2100965-2100143-
 2100965,2101238,274,END: start -822 GT
 2101376,2101611,236,EXACT,AG-GT
 2101757,2101863,107,START:Ends:2101985-2101999-2101928-
 ID=NCLIV_032680 + 10 A..ATG
 2105419,2105702,284,END:Starts:2104964-2104841-2105444-
 2105884,2106035,152,START: end -11 AG
 2106220,2106293,74,END: start 12 GT
 2107635,2107720,86,EXACT,AG-GT
 2107836,2107941,106,EXACT,AG-GT
 2108032,2108151,120,START: end -1 AG
 2108268,2108370,103,END: start 4 GT (ref:AG-GT)<< Possible error
 2108483,2108602,120,EXACT,AG-GT
 2109096,2109133,38,EXACT,AG-GT
 2109427,2109513,87,START:Ends:2110397-2110405-2110427-
 ID=NCLIV_032710 + 4 A..ATG
 2115928,2116022,95,END:Starts:2115666-2115665-2115675-
 2116249,2116354,106,EXACT,AG-GT
 2116712,2116747,36,EXACT,AG-GT
 2116929,2117129,201,START:Ends:2117000-2117428-2117462-
 ID=NCLIV_032720 + 2 A..ATG

2119787,2119876,90
 2119926,2119994,69
 ID=NCLIV_032740 + 1 G..ATGG
 2134412,2138959,4548,OVER:Starts:2138325-2133389-
 ID=NCLIV_032760 + 1 A..ATG
 2144930,2145202,273
 ID=NCLIV_032790 + 5 G..ATGG
 2157077,2157238,162
 2157297,2157353,57
 2157412,2157484,73
 2157543,2157641,99
 2157775,2157815,41
 ID=NCLIV_032800 + 7 A..ATG
 2161472,2161593,122
 2162043,2162143,101,END: start -16 GT (ref:AG-GT)<< Possible error
 2162490,2162601,112,EXACT,AG-GT
 2163226,2163318,93,EXACT,AG-GT
 2163527,2163624,98,EXACT,AG-GT
 2164415,2164535,121,EXACT,AG-GT
 2164951,2165062,112,START:Ends:2165513-2165559-2165498-
 ID=NCLIV_032810 + 1 A..ATG
 2167346,2171941,4596
 ID=NCLIV_032840 + 9 A..ATG
 2199477,2199542,66
 2200026,2200245,220,END: start 8 GT (ref:AG-GT)<< Possible error
 2200868,2200969,102,EXACT,AG-GT
 2201318,2201396,79,EXACT,AG-GT
 2201743,2201939,197,EXACT,AG-GT
 2202297,2202426,130,EXACT,TAG|TGA|TAA:AG-GT
 2202700,2202789,90,EXACT,AG-GT
 2203160,2203264,105,EXACT,AG-GT
 2203698,2204802,1105,START:Ends:2204504-2204537-2204830-
 ID=NCLIV_032870 + 20 A..ATG
 2231936,2232953,1018
 2233574,2233863,290
 2234227,2234391,165
 2234888,2235019,132
 2235622,2235695,74
 2236175,2236478,304
 2236641,2236900,260
 2237545,2237640,96
 2238174,2238528,355
 2239312,2239437,126
 2239797,2239986,190
 2240696,2240769,74
 2241364,2241488,125
 2242100,2242238,139
 2242435,2242574,140
 2243037,2243111,75
 2244156,2244450,295
 2244922,2245018,97
 2245589,2245676,88
 2246365,2246413,49
 ID=NCLIV_032880 + 2 A..ATG
 2248603,2249481,879,END:EXACT
 2250130,2253168,3039,START:Ends:2253561-2251885-2253724-
 ID=NCLIV_032920 + 9 A..ATG
 2273847,2273928,82,END:Starts:2273285-2273378-2273406-
 2274269,2274407,139,START: end -6 AG
 2274820,2274967,148

2275448,2275788,341,END: start -114 GT (ref:AG-GT)<< Possible error
2276375,2276542,168,START: end -32 AG-GC (ref:AG-GT)<< Possible error
2276874,2277015,142,END: start 34 AG-GT (ref:AG-GT)<< Possible error
2277767,2278350,584,EXACT,AG-GT
2279035,2279087,53,START: end 624 AG
2279645,2279670,26,OVER:Ends:2279715-2279691-2279711-
ID=NCLIV_032940 + 2 G..ATGG
2295311,2295959,649,END:Starts:2294997-2294999-
2296333,2297309,977,START:Ends:2299851-2300381-
ID=NCLIV_032960 + 6 A..ATG
2306721,2306737,17
2307589,2307847,259
2308044,2308334,291
2309197,2309239,43
2309884,2310036,153
2310314,2310339,26
ID=NCLIV_032970 + 5 GCAATGA
2318247,2319664,1418,END:Starts:2315830-2315929-2316543-
2320253,2321270,1018,EXACT,AG-GT
2321477,2324143,2667,EXACT,AG-GT
2324644,2324836,193,EXACT,AG-GT
2325374,2325879,506,START:Ends:2326312-2327684-2327585-
ID=NCLIV_033000 + 12 A..ATG
2340355,2340371,17,END:Starts:2339716-2339780-2339831-
2341912,2342293,382,EXACT,AG-GT
2342606,2342791,186,EXACT,AG-GT
2343091,2343252,162,EXACT,AG-GT
2343701,2343848,148,EXACT,AG-GT
2344173,2344300,128,EXACT,AG-GT
2344788,2344960,173,EXACT,AG-GT
2345312,2345429,118,EXACT,AG-GT
2345648,2345788,141,EXACT,AG-GT
2346222,2346340,119,EXACT,AG-GT
2346600,2346678,79,EXACT,AG-GT
2346956,2347012,57,START:Ends:2349414-2349279-2349390-
ID=NCLIV_033020 + 6 A..ATG
2353574,2353824,251
2354391,2358403,4013
2359311,2359921,611
2360424,2360574,151
2361044,2362000,957
2362554,2363815,1262
ID=NCLIV_033040 + 5 A..ATG
2376629,2376694,66,END:Starts:2375707-2375697-2375445-
2377060,2377207,148,EXACT,AG-GT
2377855,2377938,84,EXACT,AG-GT
2378301,2378408,108,EXACT,AG-GT
2378516,2378601,86,START:Ends:2379109-2380807-2380831-
ID=NCLIV_033110 + 5 A..ATG
2442159,2443949,1791
2444412,2444514,103
2444869,2445072,204
2445665,2445713,49
2446000,2446180,181
ID=NCLIV_033140 + 4 A..ATG
2456889,2456968,80,END:Starts:2456697-2456695-2456690-
2458282,2458460,179,EXACT,AG-GT
2458751,2458834,84,EXACT,AG-GT
2459009,2459043,35,START:EXACT
ID=NCLIV_033160 + 2 A..ATG

2462376,2462445,70
 2463045,2463628,584
 ID=NCLIV_033170 + 2 GCCATGA
 2466673,2469600,2928,END:Starts:2463774-2463135-
 2469966,2470205,240,START:EXACT
 ID=NCLIV_033180 + 7 CTGATGG
 2472448,2474780,2333
 2475023,2475103,81,END: start -4 GT
 2475489,2475610,122,EXACT,AG-GT
 2475733,2475851,119,EXACT,AG-GT
 2476078,2476320,243,EXACT,AG-GT
 2476474,2476640,167,EXACT,AG
 2477031,2477277,247
 ID=NCLIV_033210 + 5 A..ATG
 2489985,2490375,391
 2491067,2491753,687
 2492175,2492297,123
 2493245,2493423,179
 2493888,2495081,1194
 ID=NCLIV_033220 + 9 [CT]..ATG[ACT]
 2496283,2496660,378
 2497009,2501411,4403,END: start 2752 GT
 2501999,2502654,656,EXACT,AG
 2503067,2503713,647,EXACT,GT
 2504205,2506280,2076,EXACT,AG-GT
 2506645,2506685,41,EXACT,AG-GT
 2507091,2507151,61,EXACT,AG-GT
 2507820,2507930,111,EXACT,AG-GT
 2508589,2508687,99,START:Ends:2510812-2513839-
 ID=NCLIV_033230 + 1 A..ATG
 2514959,2515918,960
 ID=NCLIV_033240 + 2 GGGATGA
 2520042,2520345,304,END:Starts:2517380-2518140-2519939-
 2520732,2521186,455,START:Ends:2521818-2524919-
 ID=NCLIV_033250 + 1 A..ATG
 2522752,2523957,1206,OVER:Ends:2521818-2524919-
 ID=NCLIV_033260 + 6 TCAATGG
 2527426,2529470,2045
 2529988,2530052,65
 2530979,2531122,144
 2531621,2531662,42
 2532068,2532126,59,EXACT,AG-GT
 2532640,2532771,132,START:Ends:2533084-2534087-
 ID=NCLIV_033275 + 3 A..ATG
 2541694,2542302,609,END:Starts:2540290-2540313-2540291-
 2542710,2543684,975,EXACT,AG-GT
 2544266,2545099,834,START:Ends:2545979-2546078-2546714-
 ID=NCLIV_033280 + 3 [CT]..ATG[ACT]
 2547823,2549818,1996,OVER:Starts:2547189-2547044-2547719-
 2550286,2550441,156
 2550789,2551477,689,START:Ends:2552157-2552187-
 ID=NCLIV_033285 + 6 A..ATG
 2555223,2555686,464
 2556830,2557002,173
 2557314,2557945,632
 2558415,2558583,169
 2559170,2559248,79,END: start -4 GT (ref:AG-GT)<< Possible error
 2559874,2560003,130,START:Ends:2561311-2561451-2561644-
 ID=NCLIV_033310 + 2 [CT]..ATG[ACT]
 2568928,2569420,493

2569734,2570119,386
ID=NCLIV_033320 + 4 A..ATG
2574564,2575117,554,END:Starts:2573760-2573878-
2575649,2575785,137,EXACT,AG-GT
2576103,2576263,161,EXACT,AG-GT
2576940,2577155,216,START:Ends:2577807-2581070-
ID=NCLIV_033340 + 9 A..ATG
2584787,2586060,1274
2586378,2586559,182,END: start -2 GT (ref:AG-GT)<< Possible error
2587042,2587184,143,EXACT,AG
2587860,2588192,333,END: start -62 GT
2588511,2588721,211,EXACT,AG-GT
2589017,2590399,1383,EXACT,AG-GT
2590849,2591093,245,START: end -1 AG
2591825,2592019,195,EXACT,AG-GT
2592504,2593142,639,START:Ends:2595139-2597526-2595000-
ID=NCLIV_033350 + 3 A..ATG
2597380,2597538,159
2598074,2598231,158,END: start -366 GT (ref:AG-GT)<< Possible error
2598673,2598808,136,START:Ends:2599524-2599343-
ID=NCLIV_033360 + 9 A..ATG
2602209,2602616,408,END:Starts:2600794-2598673-
2602798,2606325,3528,EXACT,Code:INTERNAL-
2606890,2607459,570,EXACT,AG
2607932,2608054,123,EXACT,GT
2608592,2608904,313,EXACT,AG-GT
2609344,2609523,180,EXACT,AG-GT
2611010,2611160,151
2611658,2613017,1360
2613507,2613572,66
ID=NCLIV_033400 + 6 GCAATGA
2645679,2645847,169,END:EXACT
2646175,2646375,201,EXACT,AG-GT
2646802,2646872,71,EXACT,AG-GT
2647166,2647283,118,EXACT,AG-GT
2647641,2647798,158,EXACT,AG-GT
2648171,2648260,90,WITHIN:Starts:2648219-2648171-2648181-
ID=NCLIV_033410 + 12 GAGATGT
2652135,2653042,908,END:Starts:2651356-2651375-2653017-
2653379,2654712,1334,EXACT,AG-GT
2655058,2655304,247,START: end -12 AG
2655914,2656024,111,END: start 18 GT (ref:AG-GT)<< Possible error
2656276,2656379,104,EXACT,AG-GT
2656664,2657005,342,EXACT,AG-GT
2657386,2658059,674,EXACT,AG-GT
2658307,2658400,94,EXACT,AG-GT
2658735,2659969,1235,EXACT,AG-GT
2660389,2660847,459,EXACT,AG-GT
2661336,2661641,306,EXACT,AG-GT
2661975,2662652,678,START:Ends:2663976-2663975-2663972-
ID=NCLIV_033420 + 9 CCGATGG
2666243,2666737,495
2667242,2667331,90
2667941,2668144,204
2668778,2668970,193
2669423,2669498,76
2669798,2670146,349
2670730,2670838,109
2671395,2671455,61
2671929,2672232,304

ID=NCLIV_033440 + 14 GGGATGC
 2682062,2682188,127
 2682397,2682475,79
 2682957,2683065,109
 2683457,2683738,282
 2684083,2684152,70
 2684422,2684513,92
 2685124,2685369,246
 2685827,2685933,107
 2686421,2686520,100
 2687243,2687607,365,EXACT,GT
 2688268,2688325,58,EXACT,AG-GT
 2689026,2689202,177,EXACT,AG-GT
 2689780,2689859,80,EXACT,AG-GT
 2690332,2690533,202,START:Ends:2690908-2691641-
 ID=NCLIV_033460 + 12 CGGATGG
 2695795,2695797,3
 2696707,2696898,192
 2697360,2697547,188
 2697970,2698066,97
 2698717,2698823,107
 2699273,2699639,367
 2700235,2700369,135
 2700738,2701288,551
 2701573,2702174,602,END: start 17 GT
 2702471,2702569,99,EXACT,AG-GT
 2703018,2703203,186,EXACT,AG-GT
 2703612,2703919,308,START:Ends:2704638-2704651-
 ID=NCLIV_033490 + 9 A..ATG
 2722162,2722384,223,END:Starts:2721333-2721384-
 2722565,2722762,198,EXACT,AG-GT
 2723073,2723182,110,EXACT,AG-GT
 2723420,2723702,283,EXACT,AG-GT
 2724263,2724474,212,EXACT,AG-GT
 2725049,2725172,124,EXACT,AG-GT
 2726299,2726519,221,END: start -40 AG-GT
 2727214,2727694,481,END: start 144 AG-GT (ref:AG-GT)<< Possible error
 2728186,2728628,443,START:Ends:2729482-2729576-2732752-
 ID=NCLIV_033510 + 12 A..ATG
 2738915,2738940,26
 2739774,2740114,341
 2741395,2741561,167,EXACT,AG
 2742144,2742234,91,EXACT,AG-GT
 2742793,2743030,238,EXACT,AG-GT
 2743511,2743684,174,EXACT,AG-GT
 2744046,2744176,131,EXACT,AG-GT
 2744688,2744844,157,EXACT,AG-GT
 2745123,2745494,372,EXACT,AG
 2746000,2746251,252,END: start -2 GT (ref:AG-GT)<< Possible error
 2746788,2747039,252,EXACT,AG-GT
 2747329,2747383,55,START:Ends:2748143-2747894-2748122-
 ID=NCLIV_033520 + 4 A..ATG
 2750190,2750367,178
 2751600,2751805,206
 2752623,2752756,134
 2753073,2753427,355
 ID=NCLIV_033540 + 1 [CT]..ATG[ACT]
 2759159,2768560,9402
 ID=NCLIV_033550 + 8 A..ATG
 2771225,2771588,364,END:Starts:2770534-2770471-

2772080,2772289,210,EXACT,AG-GT
2772716,2772990,275,EXACT,AG-GT
2773617,2773808,192,EXACT,AG-GT
2774216,2774392,177,EXACT,AG-GT
2774802,2775332,531,EXACT,AG-GT
2775680,2775985,306,EXACT,AG-GT
2776343,2776774,432,START:Ends:2777507-2780790-
ID=NCLIV_033580 + 13 G..ATGG
2792501,2792618,118
2793178,2793201,24
2793450,2793688,239,END: start -1 GT (ref:AG-GT)<< Possible error
2794494,2794650,157,EXACT,AG-GT
2795003,2795166,164,EXACT,AG-GT
2795604,2795684,81,EXACT,AG-GT
2796073,2796118,46
2796842,2796974,133,EXACT,AG-GT
2797803,2797928,126,EXACT,AG-GT
2798335,2798456,122,EXACT,AG-GT
2798982,2799232,251,EXACT,AG-GT
2799767,2799924,158,EXACT,AG-GT
2800140,2800230,91,START:Ends:2800698-2801070-2801719-
ID=NCLIV_033590 + 8 [CT]..ATG[ACT]
2803377,2803392,16
2804125,2804279,155
2804806,2804955,150
2805361,2805632,272,END: start 4 GT (ref:AG-GT)<< Possible error
2806453,2806618,166,EXACT,AG-GT
2807364,2807448,85,EXACT,AG-GT
2808056,2808330,275,EXACT,AG-GT
2808678,2808764,87
ID=NCLIV_033610 + 9 [CT]..ATG[ACT]
2819655,2821105,1451,OVER:Starts:2819258-
2821767,2821946,180,OVER: start -2509 and end 2239 Code:INTERNAL-
2822338,2823154,817,OVER: start -3080 and end 1031 Code:INTERNAL-
2823952,2824185,234,END: start -4694 Code:INTERNAL-
2824654,2826849,2196,START: end 6505 AG
2827006,2827140,135,OVER: start -3 and end 528 GC
2827995,2828099,105,EXACT,AG-GT
2828274,2828380,107,START: end 3958 Code:INTERNAL-
2828577,2829741,1165,OVER:Starts:2828274-
ID=NCLIV_033650 + 3 G..ATGG
2853777,2853824,48
2854228,2854288,61,END: start -304 GT (ref:AG-GT)<< Possible error
2854772,2854923,152,START:Ends:2855396-2855437-2855381-
ID=NCLIV_033680 + 6 GCGATGC
2868112,2868372,261,END:Starts:2867103-2867058-2867490-
2868920,2869111,192,EXACT,AG-GT
2869543,2869687,145,EXACT,AG-GT
2870108,2870249,142,EXACT,AG-GT
2870764,2870958,195,START: end 57 AG
2871588,2871663,76
ID=NCLIV_033700 + 8 A..ATG
2878856,2878920,65,END:Starts:2877258-2878718-
2879637,2879752,116,EXACT,AG-GT
2880225,2880334,110,EXACT,AG-GT
2880883,2881030,148,EXACT,AG-GT
2881208,2881256,49,START: end 372 AG
2881518,2881624,107,OVER: start -310 and end 4 AG
2881916,2882020,105
2882195,2882406,212

ID=NCLIV_033720 + 6 A..ATG
2902168,2902239,72
2902701,2902869,169
2903012,2903071,60
2903278,2903382,105
2903676,2903866,191
2904246,2904341,96

ID=NCLIV_033740 + 15 A..ATG
2929862,2929970,109
2930499,2932465,1967,END: start 1629 GT
2932944,2933945,1002,END: start 622 GT (ref:AG-GT)<< Possible error
2934470,2935140,671,EXACT,AG-GT
2935726,2935957,232,START: end -69 AG
2936772,2937099,328
2937416,2939568,2153
2939852,2940259,408,EXACT,GT
2940576,2940715,140,EXACT,AG-GT
2940958,2941090,133,START: end 1755 AG
2941572,2941924,353,OVER: start -420 and end 921 AG-GT
2942392,2942845,454,END: start -1240 AG-GT
2943355,2943655,301,EXACT,AG-GT
2944243,2944510,268,EXACT,AG
2945031,2948595,3565,START:Ends:2946335-2950691-

ID=NCLIV_033760 + 1 A..ATG
2960817,2961440,624

ID=NCLIV_033780 + 6 G..ATGG
2970868,2970933,66,END:EXACT
2971417,2971484,68,EXACT,AG-GT
2972286,2972352,67,EXACT,AG-GT
2972984,2973102,119,EXACT,AG-GT
2973465,2973627,163,EXACT,AG-GT
2974160,2974276,117,START:Ends:2974988-2975011-2975029-

ID=NCLIV_033800 + 7 CTGATGG
2985671,2985708,38
2985794,2986276,483
2986496,2986656,161
2987004,2987343,340
2987611,2987842,232
2988112,2988189,78
2988624,2989124,501

ID=NCLIV_033810 + 4 A..ATG
2990435,2990964,530,END:Starts:2990129-2990165-2990162-
2991463,2991508,46,EXACT,AG-GT
2992123,2992173,51,EXACT,AG-GT
2992469,2992540,72,START:Ends:2994188-2994203-2994140-

ID=NCLIV_033820 + 6 TTTATGG
2996394,2997396,1003,END:Starts:2996451-2996448-2996550-
2997759,2997974,216,EXACT,AG-GT
2998520,2998611,92,EXACT,AG-GT
2998842,2998931,90,EXACT,AG-GT
2999107,2999238,132,START: end 3 AG
2999505,2999717,213,START:Ends:2999771-2999786-

ID=NCLIV_033830 + 9 A..ATG
3004176,3004233,58,END:Starts:3003044-3003048-3002473-
3004586,3004741,156,EXACT,ATG:AG-GT
3005401,3005479,79,EXACT,AG-GT
3006249,3006456,208,EXACT,AG-GT
3006883,3007059,177,EXACT,AG-GT
3007398,3007524,127,EXACT,AG-GT
3007985,3008042,58,EXACT,AG-GT

3008275,3008451,177,EXACT,AG-GT
 3009210,3009312,103,START:Ends:3010386-3011403-3009239-
 ID=NCLIV_033850 + 20 [CT]..ATG[ACT]
 3022301,3022792,492,END:Starts:3021477-3021470-3021490-
 3023550,3023917,368,EXACT,AG-GT
 3024490,3024636,147,EXACT,AG-GT
 3024948,3025303,356,EXACT,AG-GT
 3025585,3025897,313,EXACT,AG-GT
 3026236,3026360,125,EXACT,AG-GT
 3026769,3026887,119,EXACT,AG-GT
 3027476,3027673,198,EXACT,AG-GT
 3028174,3028262,89,EXACT,AG-GT
 3028818,3028988,171,EXACT,AG-GT
 3029267,3029404,138,EXACT,AG-GT
 3029907,3030269,363,EXACT,AG-GT
 3030795,3031011,217,EXACT,AG-GT
 3031424,3032038,615,EXACT,AG-GT
 3032485,3032546,62,EXACT,AG-GT
 3032703,3032835,133,EXACT,AG-GT
 3033405,3033488,84,EXACT,AG-GT
 3033966,3034151,186,EXACT,AG-GT
 3034609,3034731,123,EXACT,AG-GT
 3035357,3035899,543,START:Ends:3037391-3042177-3042217-
 ID=NCLIV_033860 + 1 TCAATGG
 3038106,3039113,1008,OVER:Ends:3037391-3042177-3042217-
 ID=NCLIV_033890 + 2 A..ATG
 3051019,3051199,181,END:Starts:3050382-3050399-3050945-
 3051651,3051820,170,START:EXACT
 ID=NCLIV_033900 + 2 CCGATGG
 3052526,3053153,628,END:EXACT
 3053382,3054541,1160,START:Ends:3054963-3054970-3055105-
 ID=NCLIV_033910 + 6 GAAATGT
 3062052,3064376,2325
 3065095,3073036,7942
 3073500,3073983,484
 3074461,3074869,409
 3075542,3075652,111
 3076052,3076144,93
 ID=NCLIV_033920 + 2 GAAATGC
 3079315,3080870,1556,END:Starts:3077492-3077862-3079313-
 3081289,3081403,115,START:Ends:3082144-3082275-3082223-
 ID=NCLIV_033930 + 12 A..ATG
 3084068,3084107,40
 3084694,3085497,804
 3086075,3086808,734
 3087123,3087773,651
 3088430,3088624,195
 3089064,3090195,1132,END: start 1042 GT
 3090549,3092336,1788,END: start 90 AG-GT (ref:AG-GT)<< Possible error
 3092724,3093121,398,END: start 51 AG-GT
 3093845,3098668,4824,END: start 22 GT
 3099084,3099221,138,EXACT,AG-GT
 3099656,3099792,137,EXACT,AG
 3100382,3100496,115
 ID=NCLIV_033940 + 3 A..ATG
 3103377,3103618,242,END:Starts:3102875-3102931-3102932-
 3104097,3104171,75,EXACT,AG-GT
 3104688,3104913,226,START:Ends:3108854-3105999-3108852-
 ID=NCLIV_033960 + 1 A..ATG
 3112593,3113573,981

ID=NCLIV_034000 + 6 A..ATG
 3130005,3130148,144
 3130211,3130321,111
 3130409,3130496,88
 3130553,3130628,76
 3130683,3130735,53
 3130793,3130878,86
 ID=NCLIV_034020 + 1 GTCATGA
 3142930,3144408,1479
 ID=NCLIV_034040 + 4 A..ATG
 3161077,3162145,1069,END:Starts:3159319-3160070-3159928-
 3162859,3163058,200,EXACT,AG-GT
 3163198,3163517,320,EXACT,AG-GT
 3163895,3164027,133,START:Ends:3165283-3167181-
 ID=NCLIV_034060 + 1 G..ATGG
 3169862,3172711,2850
 ID=NCLIV_034080 + 15 G..ATGG
 3186126,3186379,254
 3186686,3188256,1571,WITHIN: start 17 and end -603 NONE
 3188878,3189011,134,END: start 7 GT (ref:AG-GT)<< Possible error
 3189337,3189753,417,EXACT,AG-GT
 3190250,3190329,80,EXACT,AG-GT
 3190758,3191010,253,EXACT,AG-GT
 3191529,3191904,376,START: end 3 AG
 3192486,3192787,302
 3193338,3193562,225,END: start 7 GT
 3193998,3194093,96,EXACT,AG-GT
 3194619,3194705,87,EXACT,AG-GT
 3195399,3195542,144,EXACT,AG-GT
 3196201,3196257,57,EXACT,AG-GT
 3196635,3196730,96,EXACT,AG-GT
 3197115,3197171,57,START:Ends:3197537-3200803-
 ID=NCLIV_034110 + 1 A..ATG
 3224591,3226474,1884
 ID=NCLIV_034130 + 11 G..ATGG
 3231912,3232043,132,END:Starts:3231220-3231227-3231262-
 3232940,3233164,225,EXACT,ATG:AG-GT
 3233641,3233797,157,EXACT,AG-GT
 3234261,3234753,493,EXACT,AG-GT
 3235160,3235265,106,EXACT,AG-GT
 3235699,3235812,114,EXACT,AG-GT
 3235949,3236058,110,EXACT,AG-GT
 3236529,3236608,80,START: end 142 AG
 3236923,3237102,180,END: start -101 GT (ref:AG-GT)<< Possible error
 3237357,3237550,194,EXACT,AG-GT
 3237852,3237857,6,START:Ends:3238217-3238218-3238114-
 ID=NCLIV_034150 + 14 GCAATGA
 3244521,3245121,601
 3245342,3245448,107,EXACT,GT
 3246131,3246176,46,EXACT,AG-GT
 3246551,3246625,75,EXACT,AG-GT
 3246776,3246969,194,EXACT,AG-GT
 3247269,3247397,129,EXACT,AG-GT
 3247952,3248021,70,START: end -14 AG-GT
 3248402,3248631,230,END: start 53 AG-GT
 3249069,3249244,176,EXACT,AG-GT
 3249686,3250058,373,EXACT,AG-GT
 3250742,3251158,417,EXACT,ATG:AG-GT
 3251561,3251743,183,START: end 542 AG-GT (ref:AG-GT)<< Possible error
 3252076,3252285,210,END: start -515 AG-GT (ref:AG-GT)<< Possible error

3252919,3253071,153,START:Ends:3253840-3255487-3253942-
 ID=NCLIV_034160 + 7 A..ATG
 3255353,3255415,63,OVER:Starts:3254567-3254014-3252919-
 3256034,3256130,97,EXACT,AG-GT
 3256689,3256846,158,EXACT,AG-GT
 3257381,3257495,115,EXACT,AG-GT
 3258135,3258673,539,EXACT,AG-GT
 3258986,3259282,297,EXACT,AG-GT
 3259736,3259834,99,START:Ends:3260906-3261002-3260999-
 ID=NCLIV_034180 + 10 A..ATG
 3290607,3291110,504
 3291574,3291759,186
 3292368,3292588,221
 3293215,3293314,100
 3293552,3293653,102
 3294069,3294129,61
 3294533,3294644,112
 3295279,3295348,70
 3295871,3295999,129
 3296102,3296203,102
 ID=NCLIV_034210 + 6 GAAATGA
 3317352,3317383,32
 3319563,3319693,131
 3320313,3320418,106
 3320513,3320668,156
 3320995,3321170,176
 3321579,3321808,230
 ID=NCLIV_034220 + 4 A..ATG
 3325667,3325767,101
 3326542,3328254,1713
 3328663,3328759,97
 3329137,3330072,936
 ID=NCLIV_034260 + 6 CCCATGG
 3347075,3351953,4879,END:Starts:3346382-3348460-3350851-
 3352419,3355765,3347,END: start 2718 GT
 3356337,3356582,246,EXACT,AG-GT
 3356761,3356940,180,EXACT,AG-GT
 3357796,3357939,144,EXACT,AG-GT
 3358544,3358603,60,START:Ends:3359187-3358935-3359025-
 ID=NCLIV_034285 + 2 GATATGT
 3380818,3381523,706
 3382143,3382441,299
 ID=NCLIV_034320 + 3 GCAATGT
 3401502,3401795,294,END:EXACT
 3402141,3402208,68,EXACT,AG-GT
 3402665,3402785,121,START:Ends:3403459-3403446-3403418-
 ID=NCLIV_034330 + 3 GCCATGT
 3407314,3409084,1771,END:Starts:3408817-3406481-
 3409598,3410378,781,EXACT,AG-GT
 3410677,3410896,220,START:Ends:3412404-3412288-3412364-
 ID=NCLIV_034340 + 5 G..ATGG
 3414556,3414737,182
 3415439,3415686,248
 3415789,3415935,147
 3416299,3416424,126
 3417213,3417262,50
 ID=NCLIV_034350 + 6 A..ATG
 3423277,3424137,861
 3424650,3424708,59,END: start -1 GT (ref:AG-GT)<< Possible error
 3424934,3424997,64,EXACT,AG-GT

3425708,3425820,113,EXACT,AG-GT
3426136,3426304,169,EXACT,AG-GT
3427212,3427952,741,START:Ends:3429217-3431122-3433524-
ID=NCLIV_034370 + 9 CCGATGG
3434515,3435388,874,END:Starts:3433604-3433636-3433755-
3435735,3436494,760,EXACT,AG-GT
3437097,3437207,111,EXACT,AG-GT
3437638,3437738,101,EXACT,AG-GT
3438120,3438352,233,EXACT,AG-GT
3438834,3438995,162,EXACT,AG-GT
3439447,3439602,156,EXACT,AG-GT
3439852,3439931,80,EXACT,AG-GT
3440404,3440518,115,START:Ends:3440802-3440811-3440864-
ID=NCLIV_034450 + 8 GCAATGC
3490106,3490131,26,OVER:Starts:3489508-3489787-3490611-
3490891,3491260,370,END: start -1104 GT (ref:AG-GT)<< Possible error
3491675,3491755,81,EXACT,AG-GT
3491974,3492062,89,EXACT,AG-GT
3492613,3492767,155,EXACT,AG
3493661,3493771,111,EXACT,AG-GT
3494625,3494735,111,EXACT,AG-GT
3494974,3495098,125,START:Ends:3495013-3495064-
ID=NCLIV_034480 + 14 A..ATG
3511152,3511630,479,END:Starts:3508888-3510047-3510019-
3511942,3511994,53,EXACT,AG-GT
3512561,3512600,40,EXACT,AG-GT
3513031,3513097,67,EXACT,AG-GT
3513439,3513844,406,EXACT,AG-GT
3514140,3514284,145,EXACT,AG-GT
3514618,3514722,105,EXACT,AG-GT
3515023,3515125,103,EXACT,AG-GT
3515589,3515622,34,START: end 500 AG-GT
3516061,3516122,62,END: start -472 AG-GT
3516925,3517018,94,OVER: start -185 and end 530 AG
3517290,3517362,73,OVER: start -550 and end 186 AG
3519346,3519579,234
3519914,3520109,196
ID=NCLIV_034490 + 3 A..ATG
3521480,3521561,82,END:EXACT
3521818,3521905,88,EXACT,AG-GT
3522093,3522273,181,START:Ends:3525807-3523235-3525821-
ID=NCLIV_034530 + 13 A..ATG
3534047,3534071,25,END:Starts:3533780-3533819-
3534861,3534962,102,EXACT,AG-GT
3535195,3535247,53,EXACT,AG-GT
3535642,3535731,90,EXACT,AG-GT
3536231,3536389,159,EXACT,ATG:AG-GT
3536775,3536924,150,EXACT,AG
3537342,3537513,172,END: start 14 GT (ref:AG-GT)<< Possible error
3537758,3537948,191,EXACT,AG-GT
3538176,3538343,168,EXACT,AG-GT
3538983,3539069,87,EXACT,AG-GT
3539322,3539449,128,EXACT,ATG:AG-GT
3539558,3539649,92,EXACT,AG-GT
3540076,3540287,212,START:Ends:3540858-3540832-3540812-
ID=NCLIV_034560 + 14 A..ATG
3562931,3563263,333
3563380,3563472,93,END: start -2 GT
3563972,3564109,138,EXACT,AG
3564411,3564464,54,END: start 9 GT (ref:AG-GT)<< Possible error

3565012,3565114,103,EXACT,AG-GT
3565660,3565763,104,EXACT,AG-GT
3566057,3566308,252,EXACT,AG-GT
3566773,3566866,94,EXACT,AG-GT
3567243,3567428,186,EXACT,AG
3568110,3568245,136,END: start -5 GT
3568438,3568545,108,EXACT,AG-GT
3569213,3569384,172,EXACT,AG-GT
3569896,3570015,120,EXACT,AG-GT
3570442,3570525,84,START:Ends:3571771-3572080-
ID=NCLIV_034580 + 4 GAGATGA
3576808,3577830,1023,END:Starts:3576031-3576011-
3578386,3578433,48,EXACT,AG-GT
3578993,3580754,1762,EXACT,AG-GT
3581714,3582981,1268,START:EXACT
ID=NCLIV_034600 + 3 A..ATG
3592466,3594727,2262,END:Starts:3591958-3591938-
3594914,3595574,661,EXACT,AG
3595946,3596658,713,START:Ends:3597469-3597467-
ID=NCLIV_034630 + 6 [CT]..ATG[ACT]
3617808,3617881,74
3617926,3618028,103
3618089,3618151,63
3618208,3618287,80
3618353,3618435,83
3618482,3618492,11
ID=NCLIV_034650 + 3 A..ATG
3633105,3633185,81,END:Starts:3630944-3631784-3631797-
3633627,3634290,664,EXACT,AG-GT
3635216,3635391,176,START:Ends:3635765-3635746-3635730-
ID=NCLIV_034670 + 8 A..ATG
3645259,3645754,496,END:Starts:3645540-3643808-
3646057,3646263,207,EXACT,AG-GT
3646560,3646837,278,EXACT,AG-GT
3647457,3647645,189,START: end -4 AG
3647932,3648108,177,END: start -1 GT (ref:AG-GT)<< Possible error
3648396,3648953,558,EXACT,AG-GT
3649609,3649896,288,EXACT,AG-GT
3650380,3650781,402,START:Ends:3651370-3651413-3651289-
ID=NCLIV_034680 + 4 A..ATG
3654097,3654127,31
3654475,3654643,169
3655085,3655163,79
3655539,3655607,69
ID=NCLIV_034710 + 18 A..ATG
3678615,3680051,1437
3680249,3680499,251
3680967,3681102,136
3681740,3681911,172
3682205,3682362,158
3682535,3682728,194
3683242,3684021,780
3684437,3684908,472
3685641,3685841,201
3686301,3686756,456
3687206,3687479,274
3689939,3690252,314
3690814,3690923,110
3692020,3692211,192
3692276,3692353,78

3692845,3692915,71
 3693420,3693729,310
 3693907,3694072,166
 ID=NCLIV_034720 + 1 [CT]..ATG[ACT]
 3697751,3699715,1965
 ID=NCLIV_034730 + 1 G..ATGG
 3701279,3702391,1113
 ID=NCLIV_034731 + 1 G..ATGG
 3704936,3706051,1116
 ID=NCLIV_034740 + 1 G..ATGG
 3712164,3713276,1113
 ID=NCLIV_034750 + 1 G..ATGG
 3716157,3717269,1113
 ID=NCLIV_034760 + 9 A..ATG
 3721092,3722564,1473,END:Starts:3719104-3718990-3719038-
 3722884,3723130,247,EXACT,AG-GT
 3723782,3723869,88,EXACT,AG-GT
 3724271,3724580,310,EXACT,AG-GT
 3725340,3725487,148,EXACT,AG-GT
 3725914,3725997,84,EXACT,AG-GT
 3726569,3726714,146,EXACT,AG-GT
 3727443,3727886,444
 3728556,3728810,255
 ID=NCLIV_034770 + 9 [CT]..ATG[ACT]
 3730431,3730573,143,END:EXACT
 3730984,3731116,133,EXACT,AG-GT
 3731737,3731802,66,START: end -3 Info:donor=AA-AG-GC-AG-GT-
 3732201,3732446,246,END: start -6 GT (ref:AG-GT)<< Possible error
 3733008,3733262,255,EXACT,AG-GT
 3733814,3733992,179,EXACT,AG-GT
 3734184,3734696,513,EXACT,AG-GT
 3735132,3735361,230,EXACT,AG-GT
 3735770,3736176,407,START:EXACT
 ID=NCLIV_034800 + 3 A..ATG
 3759542,3759623,82,END:Starts:3758374-3758387-3758712-
 3759794,3760780,987,EXACT,AG-GT
 3760911,3761062,152,START:Ends:3760985-3760991-3761520-
 ID=NCLIV_034820 + 10 CCGATGG
 3765648,3765998,351
 3766240,3766359,120,END: start 12 GT
 3766736,3766874,139,EXACT,AG-GT
 3767397,3767488,92,EXACT,AG-GT
 3767912,3768160,249,EXACT,AG-GT
 3768338,3768508,171,EXACT,AG-GT
 3768880,3768984,105,EXACT,AG-GT
 3769512,3769691,180,EXACT,AG-GT
 3770137,3770254,118,EXACT,AG-GT
 3770722,3771068,347,START:Ends:3772549-3773145-3772910-
 ID=NCLIV_034840 + 9 [CT]..ATG[ACT]
 3780631,3780702,72,OVER:Starts:3778548-3778546-
 3781102,3781485,384,END: start -2556 GT
 3781945,3782025,81,EXACT,GT
 3782667,3782916,250,EXACT,AG-GT
 3783491,3783623,133,EXACT,AG-GT
 3784086,3784501,416,START: end -17 AG-GC
 3785142,3788959,3818,END: start -1 GT (ref:AG-GT)<< Possible error
 3789516,3790291,776,EXACT,AG-GT
 3790708,3790822,115,START:Ends:3794672-3791355-3791289-
 ID=NCLIV_034860 + 2 GCCATGT
 3798613,3798699,87

3798975,3799262,288
 ID=NCLIV_034900 + 5 A..ATG
 3833802,3834323,522,END:Ends:3834317-3834323-
 3834908,3835018,111,END: start 1 GT (ref:AG-GT)<< Possible error
 3835458,3835583,126,START: end -18 AG
 3835792,3835884,93,END: start -3 GT (ref:AG-GT)<< Possible error
 3836505,3836750,246,START:Ends:3837599-3837935-3837592-
 ID=NCLIV_034920 + 4 TACATGG
 3851272,3851397,126,END:EXACT
 3851890,3851998,109,EXACT,AG-GT
 3852335,3852567,233,START: end 115 AG-GT (ref:AG-GT)<< Possible error
 3853286,3853354,69,START:Ends:3858445-3858435-3858452-
 ID=NCLIV_034960 + 5 GACATGA
 3893664,3893804,141,OVER:Starts:3892747-3892009-3894169-
 3894169,3894290,122,END: start -1422 AG-GT (ref:AG-GT)<< Possible error
 3894717,3895261,545,EXACT,AG-GT
 3895910,3895967,58,EXACT,AG-GT
 3896503,3896593,91,START:Ends:3897130-3897134-3897151-
 ID=NCLIV_034990 + 5 A..ATG
 3910189,3910572,384
 3911489,3911639,151
 3912301,3912632,332
 3913156,3913566,411
 3914060,3914233,174
 ID=NCLIV_035000 + 9 [CT]..ATG[ACT]
 3925537,3925687,151
 3926069,3927045,977
 3927804,3927931,128
 3928269,3928428,160
 3928984,3929278,295
 3929667,3929774,108
 3930204,3930347,144
 3930947,3931062,116
 3931564,3931668,105
 ID=NCLIV_035040 + 1 A..ATG
 3952527,3954431,1905
 ID=NCLIV_035070 + 9 [CT]..ATG[ACT]
 3970292,3970435,144
 3970707,3970784,78
 3971231,3971383,153
 3971865,3971969,105
 3972481,3972614,134
 3973979,3974002,24
 3974841,3974999,159
 3976138,3976465,328
 3977169,3977705,537
 ID=NCLIV_035090 + 5 G..ATGG
 3984712,3986096,1385,END:Starts:3984138-3984123-3984386-
 3986597,3986822,226,START: end 631 AG-GT
 3987215,3987453,239,END: start -618 AG-GT
 3987825,3987868,44,EXACT,AG-GT
 3988279,3988334,56,START:EXACT
 ID=NCLIV_035120 + 6 [CT]..ATG[ACT]
 4015270,4018654,3385
 4019296,4019475,180
 4020085,4020733,649
 4020889,4021574,686
 4021692,4021882,191
 4022272,4023711,1440
 ID=NCLIV_035140 + 7 A..ATG

4040789,4040903,115,END:Starts:4039878-4039952-4039947-
 4041186,4041299,114,END: start 81 AG-GT (ref:AG-GT)<< Possible error
 4042006,4042157,152,EXACT,AG-GT
 4042572,4042631,60,EXACT,AG-GT
 4043859,4044006,148,START: end -124 AG
 4044466,4044644,179
 4045451,4045471,21
 ID=NCLIV_035150 + 10 A..ATG
 4048239,4048344,106
 4048880,4048925,46
 4049201,4049279,79
 4049548,4050131,584,EXACT,AG-GT
 4050508,4052903,2396,END: start 1731 GT
 4053548,4053780,233,START: end -22 AG
 4054279,4054675,397
 4055229,4055364,136
 4055750,4055882,133
 4056428,4057207,780
 ID=NCLIV_035170 + 15 A..ATG
 4069402,4069461,60,OVER:Starts:4070008-4067774-
 4070058,4072139,2082,END: start -2284 GT
 4072366,4072441,76,START: end 2 AG
 4072736,4072855,120,END: start 10 GT
 4073255,4073326,72,EXACT,AG-GT
 4073483,4073610,128,EXACT,AG-GT
 4073849,4074060,212,EXACT,AG-GT
 4074406,4074602,197,EXACT,AG-GT
 4074990,4075267,278,EXACT,AG-GT
 4075478,4075633,156,EXACT,AG-GT
 4076080,4076240,161,EXACT,AG-GT
 4076376,4076511,136,EXACT,AG-GT
 4076758,4076872,115,EXACT,AG-GT
 4077819,4078034,216,EXACT,AG-GT
 4078387,4078622,236,START:Ends:4079794-4079699-4079687-
 ID=NCLIV_035190 + 5 A..ATG
 4090280,4090504,225,END:Starts:4086043-4089615-4089623-
 4090702,4090814,113,EXACT,AG-GT
 4091050,4091357,308,EXACT,AG-GT
 4091596,4091876,281,EXACT,AG-GT
 4091932,4091979,48
 ID=NCLIV_035210 + 4 [CT]..ATG[ACT]
 4105604,4106880,1277,END:Starts:4105482-4106025-
 4107160,4107266,107,EXACT,Info:AG-GC-AG-GT-
 4107366,4107727,362
 4108207,4108461,255
 ID=NCLIV_035220 + 3 A..ATG
 4110991,4111189,199,END:Starts:4110761-4110716-4111088-
 4111827,4111997,171,END: start -111 AG-GT (ref:AG-GT)<< Possible error
 4112510,4112700,191,START:Ends:4112788-4112796-4113157-
 ID=NCLIV_035240 + 2 TCCATGG
 4123466,4124802,1337,END:Starts:4124099-4122893-
 4125456,4125693,238,START:Ends:4125920-4126108-
 ID=NCLIV_035260 + 13 A..ATG
 4137940,4138225,286,END:Starts:4136846-4136883-4137358-
 4138610,4138880,271,EXACT,AG-GT
 4139508,4139667,160,EXACT,AG-GT
 4140060,4140137,78,EXACT,AG-GT
 4140733,4140789,57,EXACT,AG-GT
 4141067,4141152,86,EXACT,AG-GT
 4141565,4141734,170,EXACT,AG-GT

4142217,4142296,80,EXACT,AG-GT
4142644,4142872,229,EXACT,AG-GT
4143371,4143401,31,EXACT,AG-GT
4143732,4145597,1866,EXACT,AG-GT
4145976,4146483,508,EXACT,AG-GT
4147230,4147493,264,START:Ends:4148979-4148978-4148983-
ID=NCLIV_035300 + 8 A..ATG
4171489,4172124,636,END:Starts:4170660-4170684-
4172318,4172473,156,EXACT,AG-GT
4172914,4172962,49,EXACT,AG-GT
4173345,4173490,146,EXACT,AG-GT
4173930,4174166,237,EXACT,AG-GT
4174573,4174675,103,EXACT,AG-GT
4175076,4175126,51,EXACT,AG-GT
4175598,4175674,77,START:Ends:4178257-4177983-4181223-
ID=NCLIV_035330 + 3 A..ATG
4192193,4192479,287,END:Starts:4190706-4190804-4191211-
4192684,4192771,88,EXACT,AG-GT
4193085,4193168,84,START:Ends:4193508-4195044-
ID=NCLIV_035350 + 5 TCAATGG
4214228,4214276,49,END:Starts:4214086-4214128-
4215655,4215705,51,EXACT,AG-GT
4216585,4216709,125,EXACT,AG-GT
4216920,4217405,486,EXACT,AG-GT
4217767,4218093,327,START:Ends:4218497-4218707-
ID=NCLIV_035375 + 1 A..ATG
4233816,4234802,987
ID=NCLIV_035380 + 12 A..ATG
4237098,4240097,3000,END:Starts:4236240-4236214-4236258-
4240772,4241596,825,EXACT,AG-GT
4241819,4242021,203,EXACT,AG-GT
4242593,4242840,248,EXACT,AG-GT
4243612,4243868,257,EXACT,AG-GT
4244178,4244330,153,EXACT,AG-GT
4244789,4245074,286,EXACT,TAG|TGA|TAA:AG-GT
4245597,4245937,341,EXACT,AG-GT
4246337,4246527,191,EXACT,AG-GT
4247237,4247639,403,START: end -12 AG
4248364,4248446,83,END: start -111 GT (ref:AG-GT)<< Possible error
4248922,4248958,37,START:Ends:4250177-4252327-4250187-
ID=NCLIV_035410 + 1 A..ATG
4265459,4267078,1620
ID=NCLIV_035420 + 1 A..ATG
4269140,4270861,1722
ID=NCLIV_035430 + 1 A..ATG
4273553,4274353,801
ID=NCLIV_035440 + 1 A..ATG
4274565,4275167,603
ID=NCLIV_035460 + 12 A..ATG
4292006,4292023,18,END:Starts:4291442-4290838-4290962-
4292695,4292818,124,EXACT,AG-GT
4293545,4293608,64,EXACT,AG-GT
4294613,4294683,71,START: end -8 AG
4295428,4295523,96,END: start -121 GT
4295968,4296113,146,EXACT,AG-GT
4296231,4296338,108,EXACT,AG-GT
4296901,4296985,85,EXACT,AG-GT
4297298,4297508,211,START: end 28 AG-GT
4297978,4298129,152,END: start 100 AG-GT
4298441,4299147,707,EXACT,AG-GT

4299454,4300200,747,START:Ends:4300439-4300453-
 ID=NCLIV_035480 + 11 G..ATGG
 4313479,4313515,37,END:EXACT
 4313915,4313973,59,START: end 51 AG-GC
 4314404,4314440,37,EXACT,AG-GT
 4314824,4314937,114,EXACT,AG-GT
 4315402,4316937,1536,EXACT,AG-GT
 4317334,4317427,94,EXACT,AG-GT
 4318118,4318181,64,START: end 492 AG-GT (ref:AG-GT)<< Possible error
 4319076,4319702,627,EXACT,AG-GT
 4320120,4320206,87,EXACT,AG
 4320561,4321244,684,END: start 1 GT
 4321624,4321740,117,START:Ends:4322506-4322180-
 ID=NCLIV_035500 + 3 [CT]..ATG[ACT]
 4326494,4326528,35
 4327649,4328533,885
 4328906,4329989,1084
 ID=NCLIV_035530 + 2 GCCATGA
 4356647,4357954,1308,END:Starts:4355852-4355933-4357076-
 4358582,4358644,63,START:Ends:4359351-4359356-4359363-
 ID=NCLIV_035550 + 19 TCAATGG
 4370436,4370720,285
 4371205,4371243,39
 4371545,4371595,51
 4372183,4372233,51
 4373137,4373165,29
 4374244,4374334,91
 4374360,4374372,13
 4376130,4376213,84
 4376788,4376934,147
 4377341,4377471,131
 4377729,4377816,88
 4378344,4378484,141
 4378801,4378943,143
 4379760,4379832,73
 4380117,4380181,65
 4380478,4380540,63
 4381850,4382115,266,OVER: start -13 and end 17 AG
 4382679,4382714,36
 4382825,4382996,172
 ID=NCLIV_035570 + 9 A..ATG
 4388757,4388965,209,END:Starts:4387765-4387758-
 4389309,4389432,124,EXACT,AG-GT
 4390064,4390281,218,START: end -7 AG
 4390917,4391718,802
 4392415,4393581,1167,EXACT,GT
 4394265,4394345,81,EXACT,AG-GT
 4395121,4395185,65,EXACT,ATG:AG-GT
 4395721,4395805,85,EXACT,AG-GT
 4396230,4397033,804,START:Ends:4400350-4399230-4400337-
 ID=NCLIV_035580 + 5 A..ATG
 4409088,4409143,56,OVER:Starts:4410007-4408498-
 4410007,4410093,87,END: start -1509 GT
 4410647,4410692,46,EXACT,AG-GT
 4411015,4411170,156,EXACT,AG-GT
 4411281,4411481,201,START:Ends:4413208-4413878-
 ID=NCLIV_035600 + 2 [CT]..ATG[ACT]
 4420699,4422293,1595,END:EXACT
 4422733,4422802,70,START:EXACT
 ID=NCLIV_035660 + 1 GCCATGC

4450285,4452660,2376
ID=NCLIV_035670 + 2 A..ATG
4454549,4454931,383,END:Starts:4454137-4454139-
4455099,4455786,688,START:Ends:4456166-4456228-
ID=NCLIV_035690 + 14 A..ATG
4463260,4465083,1824
4465806,4465938,133
4467952,4469226,1275
4470766,4471074,309,EXACT,AG
4471534,4472284,751,EXACT,AG-GT
4472774,4473417,644,EXACT,GT
4473691,4474079,389,EXACT,GT
4474352,4477011,2660,END: start 599 GT
4477928,4478276,349,START: end -20 AG
4478921,4479157,237
4479677,4479851,175,END: start -1 GT
4480383,4480492,110,EXACT,AG-GT
4480857,4481263,407,EXACT,AG-GT
4481400,4485864,4465,START:Ends:4484927-4486237-
ID=NCLIV_035720 + 13 TCCATGG
4514097,4514957,861,END:Starts:4513568-4513567-
4515506,4515784,279,EXACT,AG-GT
4516211,4516527,317,EXACT,AG-GT
4517383,4517461,79,EXACT,AG-GT
4518426,4518664,239,EXACT,AG-GT
4519093,4519240,148,EXACT,AG-GT
4519884,4520062,179,EXACT,AG-GT
4520566,4520644,79,EXACT,AG-GT
4521417,4521533,117,EXACT,AG-GT
4522307,4522555,249,EXACT,AG-GT
4523187,4523315,129,EXACT,AG-GT
4523530,4523610,81,EXACT,AG-GT
4523747,4524037,291,START:Ends:4524527-4524423-
ID=NCLIV_035760 + 1 A..ATG
4549846,4550427,582
ID=NCLIV_035770 + 1 A..ATG
4552810,4553421,612
ID=NCLIV_035780 + 2 A..ATG
4557249,4561818,4570
4562137,4562762,626
ID=NCLIV_035790 + 15 A..ATG
4574145,4574393,249
4574931,4581882,6952
4582803,4582841,39
4583802,4584310,509
4587560,4590328,2769
4590686,4590809,124
4591349,4591419,71
4591950,4592069,120,END: start 46 GT
4592776,4592928,153,END: start 42 AG-GT (ref:AG-GT)<< Possible error
4593765,4593828,64,EXACT,AG-GT
4594202,4594755,554,EXACT,AG-GT
4595512,4595607,96,EXACT,AG-GT
4596698,4596841,144,EXACT,AG-GT
4597280,4597360,81,EXACT,AG-GT
4597992,4598030,39,START:Ends:4599563-4599535-
ID=NCLIV_035810 + 4 A..ATG
4608878,4609666,789,OVER:Starts:4610320-4608217-
4613258,4613895,638,END: start -5041 GT
4614753,4614870,118,EXACT,AG-GT

4615522,4615776,255,START:Ends:4616576-4616654-4616768-
ID=NCLIV_035820 + 7 TCGATGG
4622052,4624487,2436,END:Starts:4621708-4621742-4623402-
4624978,4625226,249,EXACT,AG-GT
4625803,4625913,111,EXACT,AG-GT
4626313,4626852,540,EXACT,AG-GT
4627474,4627571,98,EXACT,AG-GT
4628027,4628127,101,EXACT,AG-GT
4628463,4628821,359,START:Ends:4628926-4628997-
ID=NCLIV_035840 + 6 TCCATGG
4636926,4637441,516,END:Starts:4635889-4635902-4637379-
4637635,4637709,75,EXACT,AG-GT
4638043,4638138,96,EXACT,AG-GT
4638674,4638856,183,EXACT,AG-GT
4639161,4639286,126,EXACT,AG-GT
4639566,4641821,2256,START:Ends:4642750-4642643-4642553-
ID=NCLIV_035860 + 1 [CT]..ATG[ACT]
4666100,4667854,1755
ID=NCLIV_035870 + 4 [CT]..ATG[ACT]
4671099,4672270,1172,END:Starts:4671423-4672035-
4672818,4673153,336,EXACT,AG-GT
4673429,4673804,376,START: end 396 AG
4674782,4674949,168
ID=NCLIV_035880 + 12 G..ATGG
4677499,4678541,1043
4679152,4679322,171
4679651,4679894,244
4680289,4680695,407
4681071,4681301,231
4681748,4681867,120
4682341,4682485,145
4682873,4682918,46
4683180,4683914,735
4684328,4684581,254
4684831,4685858,1028,END: start 336 GT
4686251,4686656,406,START:Ends:4686417-4686452-
ID=NCLIV_035940 + 28 A..ATG
4734326,4734412,87,END:Starts:4733143-4733152-4733968-
4734699,4734837,139,EXACT,AG
4735457,4735529,73
4735722,4735857,136
4736227,4736316,90
4736749,4736913,165,END: start -24 GT
4737365,4737449,85,START: end 3 AG
4738131,4738146,16
4738469,4738570,102,END: start -2 GT
4738975,4739019,45,EXACT,AG-GT
4739327,4739441,115,EXACT,AG-GT
4740004,4740126,123,EXACT,AG-GT
4740654,4740812,159,END: start -18 AG-GT
4741273,4741369,97,EXACT,AG-GT
4741923,4742069,147,START: end -11 AG
4742473,4742551,79,END: start -18 GT
4742760,4742957,198,EXACT,AG-GT
4743102,4743163,62,EXACT,AG-GT
4743493,4743599,107,START: end 509 AG
4744053,4744108,56,END: start -119 GT
4744307,4744358,52,EXACT,AG-GT
4744810,4744893,84,EXACT,AG-GT
4745144,4745242,99,EXACT,AG-GT

4746521,4746622,102,END: start 27 GT (ref:AG-GT)<< Possible error
 4747573,4747711,139,EXACT,AG-GT
 4747935,4748071,137,EXACT,AG-GT
 4748166,4748234,69,EXACT,AG-GT
 4748807,4748881,75,START:Ends:4749476-4749497-4749517-
 ID=NCLIV_035960 + 8 A..ATG
 4755516,4755594,79
 4756350,4756468,119
 4757000,4757167,168
 4757682,4757722,41
 4758323,4758391,69
 4758660,4758758,99
 4759383,4759523,141
 4759759,4759918,160
 ID=NCLIV_035980 + 1 CCGATGG
 4770394,4771824,1431
 ID=NCLIV_036000 + 2 G..ATGG
 4778927,4779106,180,END:Starts:4778275-4778284-4778221-
 4779540,4779800,261,START:Ends:4779939-4779907-4784120-
 ID=NCLIV_036030 + 2 A..ATG
 4803592,4804890,1299,END:Starts:4801543-4801552-4801816-
 4805175,4807070,1896,START:EXACT
 ID=NCLIV_036050 + 8 TTCATGG
 4818619,4821028,2410
 4821422,4821858,437
 4822372,4823184,813
 4823806,4825991,2186
 4826600,4830592,3993
 4830980,4831448,469
 4832010,4834358,2349
 4835147,4835188,42
 ID=NCLIV_036090 + 6 GCCATGT
 4862155,4863505,1351
 4863872,4864140,269
 4864656,4864893,238
 4865261,4865375,115
 4865995,4867174,1180
 4867634,4868323,690
 ID=NCLIV_036100 + 1 G..ATGG
 4871166,4872416,1251
 ID=NCLIV_036110 + 9 [CT]..ATG[ACT]
 4874024,4874099,76
 4874539,4874657,119
 4875161,4875308,148
 4875932,4876032,101
 4876436,4876510,75
 4877259,4877486,228
 4878307,4878440,134
 4878732,4878808,77
 4879368,4879537,170
 ID=NCLIV_036130 + 5 A..ATG
 4885181,4885317,137,END:Starts:4884177-4884216-4884279-
 4885891,4886014,124,EXACT,AG-GT
 4886147,4886193,47,EXACT,AG-GT
 4886698,4886810,113,START: end 913 AG-GT (ref:AG-GT)<< Possible error
 4888012,4888169,158,START:Ends:4888540-4888589-4888478-
 ID=NCLIV_036140 + 1 [CT]..ATG[ACT]
 4890900,4891967,1068
 ID=NCLIV_036170 + 5 A..ATG
 4907681,4907914,234,END:Starts:4907540-4906951-4907008-

4908504,4908687,184,EXACT,AG-GT
 4909157,4909269,113,EXACT,AG-GT
 4909841,4909883,43,EXACT,AG-GT
 4910394,4911196,803,START:Ends:4911352-4911394-4911562-
 ID=NCLIV_036180 + 12 A..ATG
 4914102,4914653,552
 4915418,4917623,2206
 4918200,4918483,284
 4919106,4925724,6619
 4926049,4939133,13085
 4939577,4944183,4607
 4944478,4945051,574
 4945727,4945936,210
 4946232,4946462,231
 4946746,4946895,150
 4947513,4948025,513
 4948700,4948816,117
 ID=NCLIV_036200 + 2 [CT]..ATG[ACT]
 4960684,4961035,352,END:EXACT
 4961605,4961849,245,START:Ends:4962270-4962298-4962273-
 ID=NCLIV_036210 + 2 A..ATG
 4964605,4964874,270,END:Starts:4963856-4964230-4964215-
 4965910,4967124,1215,START:Ends:4967705-4967996-4968004-
 ID=NCLIV_036220 + 4 A..ATG
 4969841,4969872,32,END:Starts:4969019-4969044-4969023-
 4970440,4970599,160,EXACT,AG-GT
 4971034,4971120,87,EXACT,AG-GT
 4971558,4971659,102,START:Ends:4972656-4972411-
 ID=NCLIV_036230 + 9 A..ATG
 4974192,4974327,136,END:Starts:4973455-4973472-4973473-
 4974732,4974817,86,EXACT,AG-GT
 4975278,4975346,69,EXACT,AG-GT
 4975674,4975804,131,EXACT,ATG:AG-GT
 4975975,4976068,94,EXACT,AG-GT
 4976379,4976490,112,EXACT,AG-GT
 4976905,4976984,80,EXACT,AG-GT
 4977292,4977414,123,EXACT,AG-GT
 4977867,4978058,192,START:Ends:4983750-4981399-4985191-
 ID=NCLIV_036250 + 3 A..ATG
 4988114,4988537,424,END:Starts:4986556-4987224-4987462-
 4989170,4989817,648,EXACT,AG-GT
 4990342,4990898,557,START:Ends:4991713-4991779-4991744-
 ID=NCLIV_036300 + 2 A..ATG
 5013867,5014052,186,END:Starts:5013533-5013547-5013592-
 5014547,5014786,240,START:Ends:5015081-5015068-5019425-
 ID=NCLIV_036340 + 8 A..ATG
 5039040,5039651,612,END:EXACT
 5040591,5040711,121,EXACT,AG-GT
 5041337,5041441,105,EXACT,AG-GT
 5042068,5042295,228,EXACT,TAG/TGAI TAA:AG-GT
 5042956,5043134,179,EXACT,AG-GT
 5043383,5043494,112,EXACT,AG-GT
 5043888,5044106,219,EXACT,AG-GT
 5044632,5044708,77,START:Ends:5045941-5045925-5047712-
 ID=NCLIV_036360 + 5 G..ATGG
 5051182,5051572,391,END:Starts:5048843-5050231-5050428-
 5052314,5053065,752,START: end -6 AG
 5053322,5053524,203,END: start -111 GT (ref:AG-GT)<< Possible error
 5053820,5053915,96,EXACT,AG-GT
 5054030,5054156,127,START:Ends:5054546-5054238-

ID=NCLIV_036380 + 8 A..ATG
5063488,5063658,171,END:Starts:5062963-5062965-
5064384,5064659,276,EXACT,AG-GT
5065422,5065714,293,EXACT,AG
5066084,5066126,43,EXACT,GT
5066314,5066456,143,EXACT,AG-GT
5067045,5067091,47,EXACT,AG-GT
5067711,5067775,65,EXACT,AG-GT
5068156,5068239,84,START:Ends:5069150-5069159-5069197-
ID=NCLIV_036410 + 2 A..ATG
5076701,5076795,95,END:EXACT
5076906,5078181,1276,START:Ends:5079121-5080105-5079760-
ID=NCLIV_036430 + 2 A..ATG
5090746,5094192,3447,END:Starts:5089697-5089659-5092160-
5094464,5094529,66
ID=NCLIV_036440 + 6 GGGATGC
5097863,5098514,652
5099226,5099442,217
5099690,5099984,295
5100164,5100289,126
5100480,5101506,1027
5102295,5104093,1799
ID=NCLIV_036460 + 6 A..ATG
5111555,5113270,1716,END:Starts:5111914-5110592-
5113922,5114042,121,START: end -14 AG
5114482,5115333,852
5115473,5115655,183
5116113,5116547,435,EXACT,GT
5117012,5118165,1154,START:Ends:5118860-5119010-
ID=NCLIV_036470 + 1 A..ATG
5121943,5122566,624
ID=NCLIV_036480 + 7 A..ATG
5127341,5127398,58
5128019,5128237,219
5128860,5128997,138
5129541,5129692,152
5129861,5129978,118
5130259,5130353,95
5130953,5131195,243
ID=NCLIV_036510 + 5 A..ATG
5154581,5154808,228,END:EXACT
5155122,5155238,117,EXACT,AG-GT
5155881,5155953,73,EXACT,AG-GT
5156705,5156785,81,EXACT,AG-GT
5157245,5157294,50,START:Ends:5157672-5157267-5157266-
ID=NCLIV_036520 + 16 [CT]..ATG[ACT]
5162055,5162178,124
5162749,5163062,314,EXACT,GT
5163614,5164023,410,START: end -375 AG
5164517,5164649,133
5164871,5164942,72
5165271,5165339,69,END: start 21 GT
5165895,5165967,73,EXACT,ATG:AG-GT
5166273,5166369,97,EXACT,AG-GT
5166883,5167147,265,START: end -12 AG
5167589,5167632,44,END: start -115 GT
5168169,5168382,214,START: end -14 AG
5168714,5168767,54
5169310,5169409,100,END: start 15 GT
5170247,5170389,143,EXACT,AG-GT

5172436,5172534,99,EXACT,AG-GT
5172865,5173020,156,START:Ends:5173915-5173621-
ID=NCLIV_036570 + 11 CAAATGG
5208195,5208346,152,END:Starts:5206766-5206048-
5209126,5209444,319,EXACT,AG-GT
5210012,5210758,747,EXACT,AG-GT
5211321,5211348,28,EXACT,AG-GT
5212253,5212473,221,EXACT,AG-GT
5213098,5213298,201,END: start -6 GT (ref:AG-GT)<< Possible error
5213668,5213970,303,EXACT,AG-GT
5214379,5214711,333,EXACT,AG-GT
5215354,5215456,103,EXACT,AG-GT
5215929,5216099,171,EXACT,AG-GT
5216466,5216725,260,START:Ends:5217930-5218627-
ID=NCLIV_036590 + 15 A..ATG
5226933,5226959,27,OVER:Starts:5226586-5226643-5226926-
5227094,5227210,117,OVER: start -451 and end 641 GT (ref:AG-GT)<< Possible error
5227803,5227851,49,END: start -1160 GT (ref:AG-GT)<< Possible error
5228430,5228498,69,EXACT,AG-GT
5228783,5228871,89,EXACT,AG-GT
5229591,5229656,66,EXACT,AG-GT
5230302,5230387,86,EXACT,AG-GT
5230915,5231011,97,EXACT,AG-GT
5231550,5231637,88,EXACT,AG-GT
5232173,5232212,40,EXACT,AG-GT
5232668,5232698,31,EXACT,AG-GT
5233076,5233315,240,EXACT,AG-GT
5234644,5234907,264,EXACT,AG-GT
5235187,5235244,58,EXACT,AG-GT
5235586,5235746,161,START:Ends:5236556-5244740-5242410-
ID=NCLIV_036630 + 8 A..ATG
5258789,5259410,622,END:Starts:5255215-5255677-5255618-
5259905,5259975,71,EXACT,ATG:AG-GT
5260596,5260985,390,EXACT,AG-GT
5261166,5261222,57,EXACT,AG-GT
5261433,5261661,229,START: end -130 AG-GT
5261942,5262041,100,EXACT,AG-GT
5262667,5262740,74,EXACT,AG-GT
5263440,5263540,101,START:Ends:5263461-5264506-5264320-
ID=NCLIV_036650 + 6 CAGATGG
5274010,5275417,1408
5275755,5275934,180
5276283,5277618,1336
5277953,5278229,277
5278552,5278659,108,END: start 62 GT
5278929,5279108,180,START:Ends:5279359-5279672-
ID=NCLIV_036660 + 13 A..ATG
5283507,5286455,2949
5286831,5287009,179
5287818,5287988,171
5288410,5288707,298
5289107,5289490,384
5289699,5290014,316
5290466,5293293,2828
5293611,5293964,354
5294309,5294691,383
5294991,5295252,262
5295695,5296031,337
5296294,5296492,199
5297113,5297278,166

ID=NCLIV_036690 + 9 A..ATG
5316283,5316473,191,END:Starts:5314777-5314810-
5317216,5317448,233,EXACT,AG-GT
5317832,5319500,1669,EXACT,AG-GT
5319782,5319866,85,EXACT,AG-GT
5320305,5320434,130,EXACT,AG-GT
5320798,5320962,165,EXACT,AG-GT
5321378,5321569,192,EXACT,AG-GT
5322114,5322218,105
5324456,5325303,848

ID=NCLIV_036700 + 11 A..ATG
5327850,5328063,214,END:Starts:5327002-5326987-
5328540,5329000,461,EXACT,AG-GT
5329318,5329436,119,EXACT,AG-GT
5329689,5329863,175,EXACT,AG-GT
5330469,5330548,80
5330759,5330880,122,END: start 23 GT
5331266,5331840,575,EXACT,AG-GT
5332153,5332950,798,EXACT,AG-GT
5333172,5334255,1084,START: end -55 AG-GT (ref:AG-GT)<< Possible error
5334385,5334772,388,END: start -7 AG-GT (ref:AG-GT)<< Possible error
5335106,5335316,211,START:Ends:5335357-5335658-5336962-

ID=NCLIV_036710 + 8 CGAATGG
5337229,5337555,327
5337758,5337934,177
5338044,5338191,148
5338500,5338617,118
5339464,5339626,163
5340625,5340780,156
5341221,5341391,171
5342644,5342754,111

ID=NCLIV_036730 + 3 GACATGC
5349689,5350642,954
5350935,5351102,168
5351517,5351942,426

ID=NCLIV_036740 + 7 [CT]..ATG[ACT]
5354104,5354116,13,OVER:Starts:5354088-5354071-
5355109,5355324,216,END: start -1038 GT
5355836,5355990,155,EXACT,AG-GT
5356527,5356725,199,EXACT,AG-GT
5357240,5358846,1607,EXACT,AG-GT
5359305,5359510,206,EXACT,AG-GT
5359948,5360308,361,START:Ends:5361291-5361275-5361231-

ID=NCLIV_036760 + 12 A..ATG
5367607,5368933,1327,END:Starts:5366851-5366853-5366846-
5369367,5369477,111,EXACT,AG-GT
5369958,5370091,134,EXACT,ATG:AG-GT
5370621,5370767,147,EXACT,AG-GT
5371160,5371432,273,EXACT,AG-GT
5372014,5372309,296,EXACT,AG-GT
5372860,5372975,116,EXACT,AG-GT
5373566,5373861,296,EXACT,AG-GT
5374394,5374721,328,EXACT,AG-GT
5375284,5375375,92,EXACT,AG-GT
5375928,5376017,90,EXACT,AG-GT
5376353,5376514,162,START:Ends:5378082-5378099-5377398-

ID=NCLIV_036780 + 2 A..ATG
5388197,5390130,1934,END:Starts:5378439-5387447-5388169-
5390680,5391064,385,START:Ends:5391436-5391504-5391449-

ID=NCLIV_036790 + 2 GCGATGA

5393076,5394728,1653
 5394873,5397155,2283
 ID=NCLIV_036820 + 4 GGGATGC
 5432260,5434472,2213,END:EXACT
 5436153,5436632,480,EXACT,AG-GT
 5437272,5437502,231,EXACT,AG-GT
 5437756,5438281,526,START:Ends:5441731-5441737-5441800-
 ID=NCLIV_036830 + 1 [CT]..ATG[ACT]
 5442808,5445537,2730
 ID=NCLIV_036860 + 14 G..ATGG
 5463416,5463901,486,END:Starts:5462523-5462546-5462579-
 5464225,5464368,144,EXACT,AG-GT
 5464578,5465159,582,EXACT,AG-GT
 5465535,5465692,158,START: end 2 AG
 5466083,5466180,98,EXACT,AG-GT
 5466780,5466925,146,EXACT,AG-GT
 5467367,5467557,191,EXACT,AG-GT
 5468045,5468165,121,START: end -10 AG
 5468395,5468469,75,END: start -22 GT (ref:AG-GT)<< Possible error
 5468729,5468947,219,EXACT,AG-GT
 5469607,5469713,107,EXACT,AG-GT
 5470223,5470379,157,EXACT,AG-GT
 5470836,5471169,334,EXACT,AG-GT
 5471562,5471650,89,OVER:Ends:5472147-5472285-5471953-
 ID=NCLIV_036870 + 4 A..ATG
 5474605,5474752,148,END:Starts:5473350-5473763-5474335-
 5475405,5475539,135,EXACT,AG-GT
 5475929,5476870,942,EXACT,AG-GT
 5477261,5477592,332,START:Ends:5479300-5479852-5479306-
 ID=NCLIV_036880 + 3 CAGATGG
 5485343,5485520,178
 5485843,5485976,134
 5486300,5486500,201
 ID=NCLIV_036900 + 2 GACATGC
 5498264,5498805,542,END:Starts:5495239-5495209-5495804-
 5499321,5500458,1138,START:Ends:5503329-5503751-5503182-
 ID=NCLIV_036910 + 5 A..ATG
 5505206,5506115,910
 5506715,5506935,221
 5507447,5507902,456
 5508436,5508578,143
 5508882,5508921,40
 ID=NCLIV_036920 + 3 CACATGG
 5509691,5509825,135
 5510345,5510476,132
 5510610,5510768,159
 ID=NCLIV_036930 + 9 A..ATG
 5513334,5513399,66
 5514123,5514192,70
 5514670,5514764,95
 5515240,5515321,82
 5516613,5516764,152
 5517028,5517130,103
 5517733,5517817,85
 5518390,5518444,55
 5518682,5518729,48
 ID=NCLIV_036950 + 12 A..ATG
 5533013,5536534,3522
 5537325,5537885,561,END: start -536 GT
 5538148,5538432,285,START: end 40 AG

5538997,5539129,133
 5539422,5539489,68,EXACT,GT
 5539952,5540045,94,EXACT,AG-GT
 5540279,5540461,183,EXACT,AG-GT
 5540837,5540978,142,EXACT,ATG:AG-GT
 5541407,5541650,244,EXACT,AG-GT
 5541958,5542147,190,EXACT,AG-GT
 5542330,5543302,973,START: end 1941 AG
 5543520,5544027,508,OVER:Ends:5543302-5545243-
 ID=NCLIV_036980 + 8 [CT]..ATG[ACT]
 5556392,5556579,188,END:Starts:5555898-5550457-
 5556884,5557016,133,EXACT,AG-GT
 5557401,5557479,79,START: end -9 AG
 5557967,5558270,304,END: start -395 GT
 5559284,5559402,119,EXACT,AG
 5559796,5559882,87,OVER: start -515 and end 801 GT
 5560541,5560683,143,END: start -1260 GT
 5561018,5561362,345,START:Ends:5562160-5574345-
 ID=NCLIV_037000 + 4 A..ATG
 5586196,5586465,270,END:Starts:5585504-5585508-5585509-
 5587023,5587169,147,START: end 9 AG-GC (ref:AG-GT)<< Possible error
 5587947,5588032,86,EXACT,AG-GT
 5588359,5588500,142,START:Ends:5589351-5589499-5589507-
 ID=NCLIV_037010 + 5 GAAATGA
 5591516,5591699,184
 5592208,5592471,264
 5592675,5592905,231
 5593474,5593614,141
 5594101,5594867,767
 ID=NCLIV_037030 + 1 GCTATGA
 5605928,5609026,3099
 ID=NCLIV_037040 + 1 A..ATG
 5623329,5625296,1968
 ID=NCLIV_037050 + 9 GACATGA
 5626045,5626659,615
 5626712,5626866,155
 5627741,5629044,1304
 5629523,5629812,290
 5630567,5630740,174
 5631275,5631467,193
 5631762,5632013,252
 5632228,5632615,388
 5632843,5637049,4207
 ID=NCLIV_037070 + 10 A..ATG
 5643700,5643832,133,END:Starts:5642435-5640690-5642494-
 5644047,5644169,123,EXACT,AG-GT
 5644428,5644489,62,EXACT,AG-GT
 5644805,5644894,90,EXACT,AG-GT
 5645179,5645218,40,EXACT,AG-GT
 5645416,5645469,54,EXACT,AG-GT
 5645819,5645926,108,EXACT,AG-GT
 5646155,5646189,35,EXACT,AG-GT
 5646366,5646420,55,EXACT,AG-GT
 5646490,5646527,38
 ID=NCLIV_037080 + 8 G..ATGG
 5648795,5649770,976
 5650237,5652123,1887,EXACT,AG-GT
 5652352,5652579,228,EXACT,AG-GT
 5652981,5653338,358,START: end -4 AG-GT (ref:AG-GT)<< Possible error
 5653557,5654042,486,END: start 62 AG-GT (ref:AG-GT)<< Possible error

5654249,5654583,335,EXACT,AG-GT
 5654781,5654953,173,EXACT,AG-GT
 5655505,5655939,435,START:Ends:5656559-5656597-5656640-
 ID=NCLIV_037100 + 7 GCAATGC
 5674865,5676701,1837
 5677608,5678006,399
 5678491,5678846,356
 5679489,5679797,309
 5680313,5680456,144
 5681132,5681444,313
 5681986,5682137,152
 ID=NCLIV_037120 + 4 A..ATG
 5703853,5703898,46
 5703955,5704067,113
 5704121,5704234,114
 5704293,5704418,126
 ID=NCLIV_037130 + 4 A..ATG
 5706710,5707643,934
 5707929,5708004,76
 5708438,5708729,292
 5709059,5709319,261
 ID=NCLIV_037160 + 10 G..ATGG
 5725192,5725427,236
 5725714,5725837,124
 5726328,5726486,159
 5726803,5727010,208
 5727468,5727551,84
 5727679,5727907,229
 5728572,5728680,109
 5729221,5729345,125
 5730236,5730297,62
 5730864,5730976,113
 ID=NCLIV_037170 + 1 A..ATG
 5735736,5740427,4692
 ID=NCLIV_037220 + 1 [CT]..ATG[ACT]
 5777148,5778305,1158
 ID=NCLIV_0372+ 5 A..ATG
 5791171,5791254,84,END:Starts:5790399-5790441-5791023-
 5791558,5791646,89,EXACT,AG-GT
 5791834,5792015,182,EXACT,AG-GT
 5792213,5792337,125,EXACT,AG-GT
 5792552,5792680,129,START:Ends:5793143-5793148-5793133-
 ID=NCLIV_037290 + 3 [CT]..ATG[ACT]
 5806196,5807081,886
 5807408,5809288,1881
 5809779,5810497,719
 ID=NCLIV_037300 + 10 A..ATG
 5811876,5812091,216
 5812341,5814003,1663
 5814303,5817705,3403
 5818458,5818584,127
 5819315,5819654,340
 5820421,5821435,1015
 5822161,5824331,2171
 5825070,5825407,338
 5825732,5830067,4336
 5830818,5834830,4013
 ID=NCLIV_037310 + 8 A..ATG
 5837657,5839300,1644,END:Ends:5837318-5839300-
 5839778,5840554,777,END: start 262 GT

5840847,5841963,1117,EXACT,AG
5842589,5842782,194
5843221,5843445,225
5843844,5843939,96
5844654,5844739,86,END: start 5 GT
5845259,5845769,511,START:Ends:5846119-5846102-
ID=NCLIV_037330 + 2 A..ATG
5873747,5874754,1008
5875126,5876802,1677
ID=NCLIV_037340 + 3 A..ATG
5880735,5882825,2091,END:Starts:5880012-5879923-5880088-
5883109,5883205,97,EXACT,AG-GT
5883445,5883917,473,START:Ends:5886074-5886292-5886094-
ID=NCLIV_037350 + 9 CGAATGG
5888614,5889673,1060,END:Starts:5887632-5887595-
5890275,5890390,116,EXACT,AG-GT
5891297,5891371,75,EXACT,AG
5891580,5891760,181,END: start 13 AG-GT (ref:AG-GT)<< Possible error
5892251,5892516,266,EXACT,AG-GT
5892816,5893261,446,EXACT,AG-GT
5893605,5893707,103,EXACT,AG-GT
5894253,5894462,210,EXACT,AG-GT
5894895,5895128,234,START:Ends:5895962-5896095-5896073-
ID=NCLIV_037380 + 1 A..ATG
5913211,5914140,930
ID=NCLIV_0374+ 2 G..ATGG
5939994,5940783,790,END:Starts:5939777-5939739-5939934-
5941182,5941744,563,START:Ends:5941606-5942165-5942300-
ID=NCLIV_037440 + 3 GAAATGT
5944370,5944576,207,END:Starts:5943255-5943245-5943447-
5944937,5945225,289,EXACT,AG-GT
5945920,5946071,152,START:Ends:5946201-5946217-5946211-
ID=NCLIV_037460 + 12 A..ATG
5960856,5961366,511,END:Starts:5960371-5960390-5960404-
5961572,5961736,165,EXACT,AG-GT
5962139,5962410,272,EXACT,AG-GT
5962802,5962891,90,EXACT,AG-GT
5963509,5963599,91,EXACT,AG-GT
5963849,5963941,93,EXACT,AG-GT
5964570,5964679,110,EXACT,AG-GT
5965074,5965141,68,EXACT,AG-GT
5965538,5965594,57,START: end -24 AG
5965856,5965905,50,END: start -97 GT (ref:AG-GT)<< Possible error
5966194,5966328,135,EXACT,AG-GT
5966596,5966690,95,START:Ends:5967117-5967109-5967104-
ID=NCLIV_037480 + 10 G..ATGG
5976241,5976986,746,END:Starts:5974908-5974927-
5977305,5977961,657,EXACT,AG-GT
5978308,5978572,265,START: end -14 AG
5978721,5978941,221,END: start 11 GT (ref:AG-GT)<< Possible error
5979230,5979434,205,EXACT,AG-GT
5979730,5980027,298,EXACT,AG-GT
5980274,5980522,249,EXACT,AG-GT
5980781,5980888,108,EXACT,AG-GT
5981125,5981351,227,EXACT,AG-GT
5981819,5981911,93,START:Ends:5982603-5984478-5985477-
ID=NCLIV_037520 + 8 A..ATG
5998772,5998788,17,END:EXACT
5999110,5999328,219,EXACT,AG-GT
5999778,6000015,238,EXACT,AG-GT

6000613,6000833,221,EXACT,AG-GT
 6001141,6001270,130,EXACT,AG-GT
 6001470,6001820,351,EXACT,AG-GT
 6002031,6002125,95,EXACT,AG
 6002991,6003330,340,OVER:Starts:6002991-6002582-6002962-
 ID=NCLIV_037530 + 3 [CT]..ATG[ACT]
 6008883,6009380,498
 6010873,6011248,376
 6011628,6011989,362
 ID=NCLIV_037560 + 2 A..ATG
 6025214,6025316,103
 6025963,6026471,509
 ID=NCLIV_037600 + 4 A..ATG
 6067914,6068088,175,END:Starts:6067260-6067289-6067294-
 6068596,6068751,156,EXACT,AG-GT
 6069078,6069145,68,EXACT,AG-GT
 6069549,6069587,39,START:Ends:6070310-6070354-6070291-
 ID=NCLIV_037620 + 1 [CT]..ATG[ACT]
 6074408,6074719,312
 ID=NCLIV_037630 + 1 GCGATGA
 6077478,6078887,1410
 ID=NCLIV_037680 + 2 A..ATG
 6106199,6106334,136
 6106369,6106571,203
 ID=NCLIV_037700 + 3 A..ATG
 6109203,6109221,19,OVER:Starts:6108873-6108960-
 6109394,6110569,1176,END: start -434 GT
 6111210,6112777,1568,START:Ends:6111469-6114022-
 ID=NCLIV_037720 + 11 CGTATGG
 6121844,6121924,81,END:Starts:6121440-6121444-
 6122086,6122166,81,EXACT,AG-GT
 6122548,6122609,62,EXACT,AG-GT
 6122727,6122803,77,START: end -50 AG
 6122927,6122967,41
 6123103,6123273,171,END: start 17 GT (ref:AG-GT)<< Possible error
 6123381,6123447,67,EXACT,AG-GT
 6123592,6123711,120,EXACT,AG-GT
 6123839,6123932,94,EXACT,AG-GT
 6124039,6124093,55,EXACT,AG-GT
 6124236,6124340,105,START:Ends:6125845-6125806-6126131-
 ID=NCLIV_037750 + 6 G..ATGG
 6135781,6136117,337,END:EXACT
 6136401,6136471,71,EXACT,AG-GT
 6136665,6136883,219,EXACT,AG-GT
 6137512,6137817,306,EXACT,AG-GT
 6138152,6138387,236,EXACT,AG-GT
 6138834,6139758,925,START:Ends:6140254-6142724-
 ID=NCLIV_037790 + 12 A..ATG
 6169028,6169138,111,END:Starts:6168098-6168186-6168869-
 6169507,6169586,80,EXACT,AG-GT
 6169993,6170073,81,EXACT,AG-GT
 6170774,6171343,570,EXACT,AG-GT
 6171447,6171622,176,START: end -8 AG
 6172257,6172354,98,EXACT,AG-GT
 6172930,6173821,892,EXACT,AG-GT
 6174275,6176568,2294,END: start 2083 AG-GT
 6176968,6177070,103,EXACT,AG-GT
 6177425,6177583,159,START: end 2197 AG
 6178061,6178999,939,OVER: start -636 and end 781 AG
 6179201,6179472,272,OVER:Ends:6179780-6177788-6179868-

ID=NCLIV_037800 + 3 TCGATGG
 6184820,6187275,2456,END:Starts:6187046-6186107-
 6187728,6188286,559,START: end 918 AG
 6188866,6188919,54,OVER:Ends:6187737-6189204-6189270-
 ID=NCLIV_037820 + 1 A..ATG
 6198181,6199299,1119
 ID=NCLIV_037870 + 9 A..ATG
 6266697,6270839,4143
 6271120,6271938,819,END: start 243 GT
 6272356,6272627,272,START: end 2 AG
 6273121,6273811,691,EXACT,GT
 6274242,6275359,1118,EXACT,AG-GT
 6277323,6277997,675,END: start 148 AG-GT
 6278414,6278894,481,EXACT,ATG:AG-GT
 6279137,6279586,450,EXACT,AG-GT
 6280097,6280957,861,START:Ends:6281383-6282441-6282356-
 ID=NCLIV_037890 + 3 TCGATGG
 6284526,6284587,62
 6284961,6289549,4589,END: start 1622 GT (ref:AG-GT)<< Possible error
 6289936,6290318,383,START:Ends:6290496-6290857-6290842-
 ID=NCLIV_037930 + 1 A..ATG
 6323303,6323947,645
 ID=NCLIV_037950 + 4 A..ATG
 6334692,6334925,234,END:Starts:6334365-6334372-6334393-
 6335390,6335725,336,EXACT,AG
 6336028,6336320,293,END: start 15 GT (ref:AG-GT)<< Possible error
 6336793,6337609,817,START:Ends:6337965-6337963-6337988-
 ID=NCLIV_037980 + 1 [CT]..ATG[ACT]
 6363899,6367570,3672
 ID=NCLIV_038000 + 3 A..ATG
 6381444,6381978,535,END:EXACT
 6382374,6382817,444,START: end -6 AG
 6383178,6384235,1058
 ID=NCLIV_038020 + 4 A..ATG
 6391702,6392911,1210,END:Starts:6387666-6388155-
 6393366,6394371,1006,EXACT,GT
 6398977,6399277,301,EXACT,AG-GT
 6399827,6401389,1563,START:Ends:6402647-6402943-
 ID=NCLIV_038021 + 1 G..ATGG
 6404052,6408827,4776
 ID=NCLIV_038025 + 3 GAAATGA
 6411442,6411718,277
 6412721,6413749,1029
 6414156,6416809,2654
 ID=NCLIV_0380+ 6 A..ATG
 6420568,6422701,2134
 6423183,6423484,302
 6423766,6429686,5921
 6430105,6430207,103
 6430703,6431125,423
 6431510,6431710,201
 ID=NCLIV_038060 + 1 G..ATGG
 6464093,6465649,1557
 ID=NCLIV_038070 + 1 G..ATGG
 6467963,6470131,2169
 ID=NCLIV_038080 + 1 G..ATGG
 6472445,6474265,1821
 ID=NCLIV_038090 + 4 CCCATGG
 6477298,6479452,2155
 6479962,6481568,1607,EXACT,GT

6482084,6482139,56,EXACT,AG
 6482490,6483333,844
 ID=NCLIV_038140 + 5 A..ATG
 6504534,6504606,73,END:Starts:6503907-6503937-6503883-
 6505469,6505663,195,EXACT,AG-GT
 6505945,6506214,270,EXACT,AG-GT
 6506744,6506920,177,START: end -40 AG
 6507343,6507386,44
 ID=NCLIV_038170 + 6 A..ATG
 6525320,6525342,23,END:Starts:6525274-6525311-
 6526106,6526259,154,EXACT,AG-GT
 6526501,6526613,113,EXACT,AG-GT
 6526788,6527124,337,EXACT,AG-GT
 6527419,6527486,68,START: end 368 AG
 6527805,6527859,55
 ID=NCLIV_038200 + 7 A..ATG
 6545310,6546515,1206
 6547028,6547272,245
 6547628,6547729,102
 6548168,6548298,131
 6549218,6549445,228
 6549654,6549760,107
 6550255,6550311,57
 ID=NCLIV_038210 + 1 A..ATG
 6556902,6557405,504
 ID=NCLIV_038270 + 3 [CT]..ATG[ACT]
 6607609,6608723,1115
 6609318,6609598,281
 6609662,6610272,611
 ID=NCLIV_038300 + 5 [CT]..ATG[ACT]
 6630123,6630255,133,OVER:Starts:6629989-6625724-
 6630873,6631345,473,END: start -163 AG-GT
 6631622,6631696,75,EXACT,ATG:AG-GT
 6632000,6632220,221,EXACT,AG-GT
 6632914,6632995,82,OVER:Ends:6632852-6633055-

CHROMOSOME VIII – REVERSE

ID=NCLIV_030060 - 8 GAGATGA
 13180,14528,1349
 14746,15002,257
 15376,15561,186
 15654,15829,176
 16232,16453,222
 16558,16950,393
 17284,17574,291,END: start 144 AG
 18244,18342,99,START:Ends:18493-19072-
 ID=NCLIV_030080 - 8 GCCATGA
 27566,27813,248
 28320,28401,82
 28785,28963,179
 29504,29600,97
 30055,30182,128
 30492,30621,130
 31166,31267,102
 31463,31477,15
 ID=NCLIV_030090 - 5 A..ATG
 35120,35199,80,END:EXACT
 35493,35797,305,START: end -27 GT
 36061,36115,55

36385,36990,606
 37610,38894,1285
 ID=NCLIV_030120 - 12 G..ATGG
 53031,53252,222
 53885,54061,177,END: start 21 AG (ref:AC-GT)<< Possible error
 54944,55135,192,END: start 5 AG (ref:AC-GT)<< Possible error
 55640,55780,141,START: end -16 GT
 56107,56634,528,EXACT,AG
 57171,57472,302,EXACT,AG-GT
 57868,58059,192,EXACT,AG-GT
 58289,58418,130,START: end -16 GT (ref:AC-GT)<< Possible error
 58972,59376,405,EXACT,AG
 59560,60025,466,EXACT,AG-GT
 60485,60670,186,EXACT,AG-GT
 61519,62078,560,START:Ends:62789-62345-62781-
 ID=NCLIV_030140 - 7 A..ATG
 72748,72797,50,END:Starts:72294-72413-72398-
 73294,73396,103,EXACT,AG-GT
 73833,73933,101,EXACT,AG-GT
 74326,74514,189,EXACT,AG-GT
 74903,74939,37,EXACT,AG-GT
 75706,75830,125,EXACT,AG-GT
 76117,76195,79,START:Ends:77550-77537-77563-
 ID=NCLIV_030170 - 2 A..ATG
 86197,86362,166,END:EXACT
 87442,87665,224,START:Ends:87830-87831-87832-
 ID=NCLIV_030180 - 1 GTGATGC
 90425,101194,10770
 ID=NCLIV_030210 - 13 A..ATG
 111525,111751,227,END:Starts:111133-111090-
 112070,112190,121,START: end 1233 GT
 112811,113423,613,END: start -741 GT
 113697,114364,668,EXACT,AG-GT
 114610,114713,104,START: end 552 GT
 115290,115384,95
 115730,115856,127
 116350,116455,106
 116661,116738,78
 117695,117851,157
 118541,118699,159
 118971,119098,128
 119495,119662,168
 ID=NCLIV_030220 - 2 [CT]..ATG[ACT]
 121220,122050,831
 122225,122287,63
 ID=NCLIV_030240 - 1 G..ATGG
 142381,143199,819
 ID=NCLIV_030250 - 1 A..ATG
 144953,145966,1014
 ID=NCLIV_030260 - 10 [CT]..ATG[ACT]
 148915,149031,117
 149489,149916,428,END: start 22 AG (ref:AC-GT)<< Possible error
 150316,150971,656,EXACT,AG-GT
 151319,151488,170,EXACT,GT
 152286,152533,248
 152942,153291,350
 153841,154001,161
 154621,154760,140
 155735,156399,665
 156717,157759,1043

ID=NCLIV_030270 - 13 A..ATG
162323,162409,87,END:Starts:161792-161845-161843-
163194,163263,70,EXACT,AG-GT
163681,163772,92,EXACT,AG-GT
164042,164257,216,EXACT,GT
164533,164585,53,END: start 7 AG
164998,165061,64,EXACT,AG-GT
165792,165893,102,EXACT,AG-GT
166310,166391,82,EXACT,AG-GT
166938,167031,94,EXACT,AG-GT
167486,167582,97,START: end -31 GT
167908,167955,48
168272,168456,185
169096,169186,91

ID=NCLIV_030280 - 1 A..ATG
170803,171867,1065

ID=NCLIV_030290 - 6 A..ATG
174782,175116,335,END:Starts:173647-173607-173612-
175525,175732,208,EXACT,AG-GT
176353,176522,170,EXACT,AG-GT
177087,177219,133,EXACT,AG-GT
177806,177994,189,START: end 186 GT
178541,178639,99

ID=NCLIV_030330 - 19 A..ATG
206196,206418,223
206905,206966,62
207399,207515,117
208507,208578,72
209171,209258,88
209541,209824,284
210779,210844,66
211404,211475,72
211898,212012,115
212635,212711,77
213255,213395,141
213968,214165,198
214502,214733,232
215327,215437,111
215552,215716,165
216174,216225,52
216873,216963,91
217328,217771,444
217958,218197,240

ID=NCLIV_030340 - 2 A..ATG
221134,221305,172,END:Starts:220520-220774-220472-
221897,222231,335,START:Ends:222662-222633-222650-

ID=NCLIV_030350 - 3 GGAATGT
224758,225246,489,END:Starts:223918-223919-223922-
225663,225757,95,EXACT,AG-GT
226464,227319,856,START:Ends:227246-227225-227295-

ID=NCLIV_030370 - 2 [CT]..ATG[ACT]
229778,230044,267
230405,230587,183

ID=NCLIV_030380 - 2 A..ATG
232045,232363,319,END:Starts:232231-232312-
232645,232802,158,START:Ends:234086-233500-

ID=NCLIV_030390 - 2 A..ATG
236546,236761,216,END:Starts:236104-236067-235869-
237502,237708,207,START:Ends:238400-238395-238405-

ID=NCLIV_030420 - 5 A..ATG

266298,266546,249,END:Starts:265578-265554-
266868,266968,101,EXACT,AG-GT
267268,267328,61,EXACT,AG-GT
267668,267802,135,EXACT,AG-GT
268289,268795,507,START:Ends:270486-269741-269792-
ID=NCLIV_030450 - 13 CGAATGG
285027,285435,409,END:Starts:282665-284643-282677-
285970,286166,197,EXACT,AG-GT
286828,286947,120,START: end -10 GT
287269,287340,72
287816,287893,78
288974,289037,64
289791,289935,145
290356,290457,102,END: start 6 AG
291271,291598,328,EXACT,AG-GT
292116,292351,236,EXACT,AG-GT
292871,293007,137,EXACT,AG-GT
293389,293618,230,START: end 21 GT
293828,294103,276
ID=NCLIV_030480 - 9 G..ATGG
331387,331464,78,END:Starts:325897-330755-325931-
331973,332027,55,EXACT,AG-GT
332836,332921,86,EXACT,AG-GT
333118,333237,120,EXACT,AG-GT
333508,333655,148,START: end 469 AG-GT (ref:AC-GT)<< Possible error
334045,334124,80,END: start -537 AG-GT (ref:AC-GT)<< Possible error
334513,334580,68,EXACT,AG-GT
335027,335217,191,EXACT,AG-GT
335796,336214,419,START:Ends:337288-337285-340393-
ID=NCLIV_030500 - 1 G..ATGG
346045,346527,483
ID=NCLIV_030510 - 8 G..ATGG
350494,350729,236,END:Starts:349063-349590-349123-
351319,351623,305,EXACT,AG-GT
352595,352751,157,START: end 74 GT
353028,353160,133
353578,353665,88,END: start -3 AG
353769,353937,169,START: end 3471 GT
354460,354705,246,OVER: start -691 and end 2703 GT
355162,355533,1372,OVER:Ends:354621-357408-
ID=NCLIV_030520 - 1 G..ATGG
361036,363672,2637
ID=NCLIV_030530 - 1 A..ATG
367490,373468,5979
ID=NCLIV_030540 - 10 TGTATGG
378137,378223,87,END:Starts:377325-376830-
378719,378889,171,START: end 61 GT
379340,379404,65
379799,379973,175
380396,380546,151
380930,381105,176,OVER: start -89 and end 99 AG
381724,381782,59,START: end 1830 GT
382639,382690,52,OVER: start -915 and end 922 GT
384111,384141,31
384864,384931,68
ID=NCLIV_030550 - 12 A..ATG
385767,385964,198
386584,386685,102,END: start 7 AG (ref:AC-GT)<< Possible error
387102,387279,178,EXACT,AG-GT
387618,388031,414,EXACT,AG-GT

388538,388580,43,EXACT,AG-GT
 388974,389089,116,EXACT,AG-GT
 389423,389468,46,EXACT,AG-GT
 389701,389938,238,EXACT,AG-GT
 390334,390903,570,EXACT,AG-GT
 391300,392089,790,EXACT,AG-GT
 392481,392616,136,EXACT,AG-GT
 393127,394525,1399,START:Ends:395075-394087-395062-
 ID=NCLIV_030580 - 3 GCAATGC
 411585,412604,1020,END:Starts:409878-410983-410791-
 412956,413164,209,EXACT,AG-GT
 413559,416199,2641,START:Ends:417379-417356-
 ID=NCLIV_030600 - 2 A..ATG
 425863,426204,342
 426327,426587,261
 ID=NCLIV_030610 - 4 A..ATG
 429150,429488,339
 429983,430129,147
 430885,431041,157
 431862,432088,227
 ID=NCLIV_030620 - 3 GGCATGA
 434539,434714,176,END:Starts:434195-434216-434174-
 435180,435490,311,EXACT,AG-GT
 435814,436013,200,START:Ends:436743-436694-436707-
 ID=NCLIV_030660 - 9 A..ATG
 459215,459733,519,END:Starts:458570-458602-458590-
 460190,460350,161,EXACT,AG-GT
 460832,461007,176,EXACT,AG-GT
 461570,461696,127,EXACT,AG-GT
 462339,462465,127,END: start 75 AG
 462656,462820,165,EXACT,AG-GT
 463407,463538,132,EXACT,AG-GT
 463919,464100,182,EXACT,AG-GT
 464963,465020,58,START:Ends:465199-465237-465177-
 ID=NCLIV_030670 - 6 GAGATGC
 467939,479077,11139
 479521,479655,135
 479982,480317,336
 480844,481053,210
 481534,487760,6227
 488467,491188,2722
 ID=NCLIV_030700 - 11 [CT]..ATG[ACT]
 510331,510540,210
 510794,510880,87
 511306,511492,187
 511806,511941,136
 512350,512609,260
 512961,513061,101
 513479,513607,129
 513982,514167,186
 514760,515092,333
 515520,515738,219
 516227,516475,249
 ID=NCLIV_030710 - 3 GGGATGT
 518703,519274,572,END:Starts:518505-518437-518510-
 519610,519917,308,EXACT,AG-GT
 520574,522123,1550,START:EXACT
 ID=NCLIV_030740 - 1 A..ATG
 532836,533105,270
 ID=NCLIV_030770 - 1 [CT]..ATG[ACT]

561432,565202,3771
ID=NCLIV_030810 - 8 A..ATG
595895,596066,172,OVER:Starts:594664-595693-595688-
596582,596742,161,EXACT,AG-GT
597492,597576,85,END: start -4 AG
598272,598408,137,EXACT,AG-GT
598687,601987,3301,EXACT,Code:INTERNAL-
602821,602907,87,START: end -18 GT
603475,603610,136
604661,604745,85
ID=NCLIV_030820 - 2 G..ATGG
607160,607486,327,END:Starts:606557-606850-606796-
607991,608092,102,START:Ends:608329-608288-
ID=NCLIV_030830 - 6 A..ATG
610966,612649,1684,END:Starts:609790-608387-607991-
612977,613088,112,EXACT,AG-GT
613372,614073,702,EXACT,AG-GT
614416,614488,73,EXACT,AG-GT
614946,615882,937,START: end 5302 GT
616414,617501,1088,OVER:Ends:619195-621184-
ID=NCLIV_030870 - 20 [CT]..ATG[ACT]
641725,642138,414,END:Starts:637108-640897-640919-
642543,642674,132,EXACT,AG-GT
642890,643119,230,EXACT,AG-GT
643825,643948,124,EXACT,AG-GT
644497,644574,78,EXACT,AG-GT
645152,645200,49,EXACT,AG-GT
645481,645692,212,EXACT,AG-GT
646315,646577,263,EXACT,AG-GT
646959,647368,410,EXACT,AG-GT
647912,648061,150,EXACT,AG-GT
648370,648451,82,EXACT,AG-GT
649123,649362,240,EXACT,AG-GT
649717,649798,82,EXACT,AG-GT
650238,650304,67,START: end -37 GT
650635,650729,95,EXACT,AG
651611,651777,167
652247,652367,121,END: start -3 AG (ref:AC-GT)<< Possible error
652923,653050,128,START: end 23 AG-GT (ref:AC-GT)<< Possible error
653610,653689,80,EXACT,AG-GT
654774,654814,41,START:Ends:654968-654974-
ID=NCLIV_030900 - 16 A..ATG
668420,668467,48,END:Starts:667930-667955-667906-
669213,669353,141,START: end 4 GT
669831,669914,84,END: start 31 AG (ref:AC-GT)<< Possible error
670457,670576,120,EXACT,AG-GT
671026,671176,151,EXACT,AG-GT
671556,671683,128,EXACT,AG-GT
672273,672482,210,EXACT,AG-GT
672701,672817,117,EXACT,AG-GT
673657,673891,235,START: end -9 GT
674309,674476,168,END: start 8 AG (ref:AC-GT)<< Possible error
674922,675044,123,END: start -60 AG-GC (ref:AC-GT)<< Possible error
675416,675522,107,EXACT,AG-GT
676046,676369,324,EXACT,AG-GT
676743,676825,83,EXACT,AG-GT
677179,678436,1258,EXACT,AG-GT
679232,679645,414,START:Ends:680668-680353-680453-
ID=NCLIV_030910 - 1 A..ATG
683993,684247,255,OVER:Starts:682926-683060-682933-

ID=NCLIV_030930 - 3 G..ATGG
 701301,701708,408,END:Starts:698916-699614-699568-
 702621,702772,152,EXACT,AG-GT
 703214,703523,310,START:Ends:703700-703670-703708-
 ID=NCLIV_030960 - 6 G..ATGG
 730479,730531,53,END:Starts:729486-730132-729638-
 730764,730913,150,EXACT,TAG|TGA|TAA:AG-GT
 732429,732546,118,EXACT,AG-GT
 733125,733278,154,EXACT,AG-GT
 733814,733888,75,EXACT,AG-GT
 734359,734855,497,START:Ends:737829-735176-735415-
 ID=NCLIV_030980 - 5 GAGATGA
 744383,744546,164
 744924,745174,251
 745974,746295,322
 746481,746858,378
 747312,748254,943
 ID=NCLIV_031030 - 1 G..ATGG
 784958,786097,1140
 ID=NCLIV_031050 - 4 GCGATGA
 788359,788408,50
 788470,788493,24
 788547,788742,196
 788801,788902,102
 ID=NCLIV_031060 - 4 A..ATG
 789228,789451,224
 789505,789677,173
 789737,789782,46
 789846,789999,154
 ID=NCLIV_031070 - 13 A..ATG
 790534,790770,237
 790887,790987,101
 791117,791350,234
 791506,791628,123
 791755,791881,127
 791981,792115,135
 792265,792423,159
 792746,792799,54
 793122,793282,161
 794243,794422,180
 794951,795046,96
 796033,796365,333
 797621,797693,73
 ID=NCLIV_031080 - 8 GAAATGT
 800506,800601,96,OVER:Starts:799332-799162-799108-
 801219,801277,59,EXACT,AG-GT
 801816,802001,186,EXACT,AG-GT
 802314,802591,278,EXACT,AG-GT
 803008,803912,905,EXACT,AG-GT
 804510,804994,485,EXACT,AG-GT
 805261,805414,154,EXACT,AG-GT
 806007,807305,1299,START:Ends:808452-808446-
 ID=NCLIV_031090 - 6 GGAATGA
 809785,809937,153
 810279,810534,256,END: start 7 AG (ref:AC-GT)<< Possible error
 811143,812638,1496,START: end 1213 AG-GT
 813349,813506,158,OVER: start -2206 and end 345 AG-GT
 814570,815055,486,EXACT,AG-GT
 815667,816279,613,START:Ends:817059-817078-
 ID=NCLIV_031120 - 4 CATATGG

845900,845954,55,END:EXACT
846186,846251,66,EXACT,AG-GT
846395,846459,65,EXACT,ATG:AG-GT
846699,846770,72,START:EXACT
ID=NCLIV_031140 - 2 [CT]..ATG[ACT]
855602,855749,148
856622,856986,365,START:Ends:857584-857591-857659-
ID=NCLIV_031160 - 18 CAAATGG
864499,864657,159
865364,865434,71
865721,865886,166
866369,866532,164
866977,867015,39
867197,867934,738
868458,868601,144
868910,868942,33
869719,870688,970
871090,871428,339
871614,871695,82
871996,872198,203
872793,873421,629
874024,874139,116
874572,874885,314
875483,876786,1304
877213,877546,334
879938,880948,1011
ID=NCLIV_031180 - 1 CAGTTCA
893171,895744,2574,END:Starts:892771-892756-892938-
ID=NCLIV_031190 - 7 A..ATG
899419,899650,232,END:Starts:899539-897329-
900198,900301,104,EXACT,AG-GT
900899,901062,164,EXACT,ATG:AG-GT
901572,901765,194,EXACT,AG-GT
902070,902218,149,EXACT,AG-GT
902685,903197,513,END: start -111 AG-GT
903440,904342,903,START:Ends:906071-906106-
ID=NCLIV_031230 - 38 A..ATG
934007,934071,65,END:Starts:933667-929184-
934701,934771,71,EXACT,AG-GT
935166,935305,140,EXACT,AG-GT
936342,936452,111,EXACT,AG-GT
937042,937308,267,EXACT,AG-GT
937941,938250,310,EXACT,AG-GT
938776,939098,323,OVER: start -326 and end 575 AG-GT
939384,939584,201,OVER: start -934 and end 89 AG-GT
940264,940462,199,EXACT,GT
941070,941339,270
941895,942115,221
942785,943015,231
944036,944320,285
945092,945370,279
945672,946591,920
947378,947583,206
948489,948604,116
949042,949503,462
950234,950394,161
950834,950982,149
951313,951465,153
951911,952181,271
952710,952928,219

953259,953419,161
 953735,953971,237
 954509,954766,258
 955707,956107,401
 956365,956925,561
 957466,957669,204
 958188,958364,177
 958582,958848,267
 959375,959661,287
 960164,960294,131
 960649,960786,138
 961112,961382,271
 961998,962134,137
 962740,962949,210
 963587,969384,5798
 ID=NCLIV_031240 - 4 A..ATG
 973689,973755,67,END:Starts:972684-972689-972694-
 974143,975251,1109,START: end -1 GT
 975704,975987,284,EXACT,AG
 976363,977086,724,START:Ends:977904-977585-977896-
 ID=NCLIV_031260 - 1 A..ATG
 984387,987308,2922,OVER:Starts:983925-983532-
 ID=NCLIV_031280 - 4 G..ATGG
 1000102,1000291,190,END:Starts:998893-999270-
 1000555,1000619,65,START: end 64 AG-GT (ref:AC-GT)<< Possible error
 1001086,1001871,786,END: start 172 AG-GT
 1002451,1003539,1089,START:Ends:1004505-1004207-
 ID=NCLIV_031300 - 8 A..ATG
 1014127,1014311,185
 1014820,1014917,98,END: start -2 AG (ref:AC-GT)<< Possible error
 1015358,1015514,157,EXACT,AG-GT
 1016186,1016287,102,EXACT,AG-GT
 1016812,1016878,67,EXACT,AG-GT
 1017131,1017319,189,EXACT,AG-GT
 1017478,1017542,65,START: end 1181 GT
 1018940,1018973,34
 ID=NCLIV_031340 - 16 A..ATG
 1049700,1049837,138,END:Starts:1049211-1049283-1049079-
 1049940,1050041,102,EXACT,AG-GT
 1050516,1050755,240,EXACT,AG-GT
 1051348,1051426,79,EXACT,ATG:AG-GT
 1051956,1052095,140,EXACT,AG-GT
 1053364,1053489,126,EXACT,AG-GT
 1053828,1053893,66,START: end -4 GT
 1054337,1054465,129,END: start -3 AG (ref:AC-GT)<< Possible error
 1054808,1054912,105,EXACT,AG-GT
 1055065,1055249,185,EXACT,AG-GT
 1055528,1055672,145,EXACT,AG-GT
 1056193,1056305,113,EXACT,AG-GT
 1056550,1056685,136,EXACT,AG-GT
 1057189,1058588,1400,EXACT,AG-GT
 1059153,1059419,267,EXACT,AG-GT
 1059943,1060273,331,START:Ends:1061990-1061979-1062025-
 ID=NCLIV_0313- 16 GCGATGT
 1068757,1068864,108,END:EXACT
 1069191,1069247,57,EXACT,AG-GT
 1069611,1069689,79,EXACT,GT
 1070007,1070848,842,END: start 6 AG (ref:AC-GT)<< Possible error
 1071283,1071507,225,EXACT,AG-GT
 1072061,1072213,153,EXACT,AG-GT

1072832,1073675,844,EXACT,AG-GT
 1073997,1074091,95,EXACT,AG-GT
 1074474,1074801,328,EXACT,AG-GT
 1075155,1075271,117,EXACT,AG-GT
 1076038,1076305,268,EXACT,AG-GT
 1076683,1076935,253,EXACT,AG-GT
 1077485,1077898,414,EXACT,AG-GT
 1078204,1078974,771,START: end -27 GT
 1079580,1080086,507,END: start 13 AG
 1080769,1081095,327,START:Ends:1081933-1081466-
 ID=NCLIV_031370 - 18 GCCATGT
 1088963,1089088,126,END:Starts:1085113-1086379-
 1089550,1089632,83,EXACT,AG-GT
 1090354,1090418,65,EXACT,AG-GT
 1091099,1091151,53,EXACT,AG-GT
 1091825,1091936,112,EXACT,AG-GT
 1092377,1092592,216,EXACT,AG-GT
 1093067,1093142,76,EXACT,AG-GT
 1093613,1093687,75,EXACT,AG
 1094667,1094946,280,EXACT,AG-GT
 1095422,1095741,320,EXACT,AG-GT
 1095976,1096069,94,EXACT,AG-GT
 1096653,1096764,112,START: end 1 GT
 1097249,1097386,138,END: start 2 AG
 1097781,1097848,68,EXACT,AG-GT
 1098230,1098325,96,EXACT,AG-GT
 1098561,1098703,143,EXACT,AG-GT
 1099036,1099187,152,START: end 80 GT
 1099550,1099929,380
 ID=NCLIV_031380 - 5 A..ATG
 1103199,1103240,42,END:Starts:1102090-1102360-1102189-
 1103499,1104367,869,EXACT,AG-GT
 1104873,1105062,190,EXACT,AG-GT
 1106536,1106887,352,EXACT,AG-GT
 1107419,1107873,455,START:Ends:1111227-1109427-1111626-
 ID=NCLIV_031400 - 1 A..ATG
 1114080,1116629,2550,OVER:Starts:1112689-1113639-1113330-
 ID=NCLIV_031420 - 5 A..ATG
 1126711,1126877,167
 1127228,1128468,1241
 1128919,1129090,172
 1129152,1129230,79
 1130078,1130122,45
 ID=NCLIV_031450 - 2 GAGATGA
 1142668,1143507,840
 1143629,1144423,795
 ID=NCLIV_031470 - 2 TCAATGG
 1153540,1153901,362,END:Starts:1153170-1153146-
 1154335,1154371,37,OVER:Ends:1154397-1155358-
 ID=NCLIV_031540 - 22 CCGATGG
 1190633,1190851,219,END:Starts:1190551-1189963-1190037-
 1191190,1191398,209,EXACT,GT
 1191686,1191809,124
 1192321,1193070,750
 1193535,1193711,177
 1194195,1194316,122
 1194569,1194716,148,END: start 32 AG
 1195316,1195663,348,START: end -258 AG-GT
 1196018,1196223,206
 1196760,1196958,199

1197445,1197585,141
 1197712,1197840,129
 1198244,1198453,210
 1198838,1198977,140
 1199288,1199537,250
 1199943,1200005,63
 1200528,1200635,108
 1201018,1201161,144
 1201817,1201927,111
 1202255,1202482,228
 1202971,1203171,201
 1203599,1204096,498
 ID=NCLIV_031550 - 1 CTGATGG
 1207198,1208475,1278
 ID=NCLIV_031560 - 8 A..ATG
 1213330,1213350,21
 1213591,1213766,176,START: end 246 AG-GT
 1214415,1214550,136,EXACT,AG-GT
 1214901,1214966,66,EXACT,AG-GT
 1215345,1215534,190,START: end 412 GT
 1216136,1216293,158
 1216747,1216854,108
 1217110,1217256,147
 ID=NCLIV_031580 - 13 A..ATG
 1234505,1234530,26
 1235292,1235593,302,END: start 53 AG (ref:AC-GT)<< Possible error
 1236125,1236225,101,EXACT,AG-GT
 1236541,1236687,147,EXACT,AG-GT
 1237119,1237241,123,EXACT,GT
 1237596,1237757,162,END: start 4 Info:AG-GT-donor=CC-AG-GC- (ref:AC-GT)<< Possible error
 1238080,1238172,93,EXACT,AG-GT
 1238703,1238798,96,EXACT,AG-GT
 1239140,1239250,111,EXACT,AG-GT
 1239501,1239671,171,EXACT,AG-GT
 1240073,1240192,120,EXACT,AG-GT
 1240645,1240752,108,EXACT,AG-GT
 1241657,1241845,189,OVER:Ends:1243453-1243459-
 ID=NCLIV_031610 - 2 GCAATGT
 1258995,1259603,609,END:Starts:1259003-1259000-1259006-
 1259943,1262039,2097,START:Ends:1262226-1262791-
 ID=NCLIV_031630 - 5 [CT]..ATG[ACT]
 1276867,1281422,4556
 1281762,1283228,1467
 1283814,1284837,1024
 1285360,1285439,80
 1285788,1285806,19
 ID=NCLIV_031690 - 12 G..ATGG
 1313395,1313442,48,END:Starts:1312895-1313082-1313077-
 1313546,1313737,192,EXACT,AG-GT
 1314167,1314292,126,EXACT,AG-GT
 1314465,1314530,66,EXACT,AG-GT
 1314651,1314747,97,EXACT,AG-GT
 1315231,1315286,56
 1315558,1315650,93,EXACT,AG-GT
 1316145,1316284,140,EXACT,AG-GT
 1316709,1316946,238,EXACT,AG-GT
 1317648,1318387,740,EXACT,AG-GT
 1318871,1319075,205,EXACT,AG-GT
 1319727,1319867,141,START:Ends:1320671-1321137-
 ID=NCLIV_031700 - 11 CACATGG

1322343,1322819,477,END:Starts:1321757-1321814-1321821-
1323199,1323857,659,EXACT,AG-GT
1324278,1324385,108,EXACT,AG-GT
1324733,1324865,133,START: end 184 GT
1325252,1325254,3
1325805,1326035,231,START: end -3 AG (ref:AC-GT)<< Possible error
1326433,1327538,1106,EXACT,AG-GT
1327958,1328262,305,EXACT,AG-GT
1328404,1328488,85,EXACT,AG-GT
1328837,1329389,553,EXACT,AG-GT
1329750,1330571,822,START:Ends:1331812-1331795-
ID=NCLIV_031720 - 1 [CT]..ATG[ACT]
1352328,1354013,1686
ID=NCLIV_031730 - 15 A..ATG
1356187,1356426,240
1356793,1357027,235,END: start 1 AG (ref:AC-GT)<< Possible error
1357460,1357638,179,EXACT,AG-GT
1357996,1358232,237,EXACT,AG-GT
1358469,1358709,241,EXACT,AG-GT
1359074,1359489,416,EXACT,AG-GT
1359784,1360379,596,EXACT,AG-GT
1360860,1361376,517,START: end -8 GT
1361751,1362905,1155,END: start -2 AG
1363371,1365047,1677,EXACT,AG-GT
1365558,1368212,2655,START: end -1517 GT
1368472,1369119,648,EXACT,AG-GT
1369681,1369906,226,EXACT,AG-GT
1370274,1370464,191,EXACT,AG-GT
1370962,1371996,1035,START:Ends:1372335-1371407-1372473-
ID=NCLIV_031750 - 17 A..ATG
1378311,1378499,189,END:Starts:1376318-1376300-1376337-
1379199,1379438,240,EXACT,AG-GT
1379504,1379686,183,END: start 102 AG-GT (ref:AC-GT)<< Possible error
1379999,1380139,141,EXACT,AG-GT
1380360,1380614,255,EXACT,AG-GT
1381045,1381215,171,EXACT,AG-GT
1381485,1381698,214,EXACT,AG-GT
1382019,1382263,245,EXACT,AG-GT
1382708,1383144,437,EXACT,AG-GT
1383703,1383795,93,EXACT,AG-GT
1383900,1384004,105,EXACT,AG-GT
1384474,1384869,396,EXACT,AG-GT
1385349,1385502,154,EXACT,AG-GT
1386062,1386163,102,EXACT,AG-GT
1386516,1386616,101,EXACT,AG-GT
1387255,1387549,295,EXACT,AG-GT
1387930,1388208,279,START:Ends:1389255-1389369-
ID=NCLIV_031770 - 4 A..ATG
1409514,1409804,291,OVER:Starts:1409071-1409167-1409083-
1410082,1410738,657,START: end 476 AG-GT (ref:AC-GT)<< Possible error
1411005,1411214,210,END: start -923 AG-GT (ref:AC-GT)<< Possible error
1411580,1411732,153,START:Ends:1412243-1412186-1412230-
ID=NCLIV_031810 - 4 A..ATG
1430222,1430461,240
1430949,1431164,216,EXACT,AG
1431420,1431526,107,EXACT,AG-GT
1432245,1433205,961,START:Ends:1433480-1433470-1434104-
ID=NCLIV_031820 - 2 A..ATG
1434588,1436675,2088,END:Starts:1434528-1434206-
1436974,1438647,1674,START:Ends:1440211-1438831-

ID=NCLIV_031890 - 3 A..ATG
 1503931,1504088,158,END:Starts:1502739-1502753-1502764-
 1504632,1504771,140,EXACT,AG-GT
 1505422,1506194,773,START:EXACT
 ID=NCLIV_031910 - 6 A..ATG
 1515616,1515699,84
 1516115,1516309,195
 1516713,1516723,11
 1517110,1517314,205
 1517993,1518153,161
 1518861,1518978,118
 ID=NCLIV_031930 - 6 G..ATGG
 1537008,1537102,95
 1537252,1537564,313
 1537961,1538129,169
 1538378,1538417,40
 1538743,1538818,76
 1539390,1539575,186
 ID=NCLIV_031940 - 6 [CT]..ATG[ACT]
 1542780,1542841,62,END:Starts:1541735-1541870-
 1543140,1543262,123,EXACT,AG-GT
 1543589,1543678,90,EXACT,TAG|TGA|TAA:AG-GT
 1543876,1543947,72,EXACT,GT
 1544355,1545271,917,EXACT,AG
 1545657,1546633,977,START:EXACT
 ID=NCLIV_031980 - 8 G..ATGG
 1586770,1588659,1890,END:Starts:1585883-1585817-
 1589047,1589994,948,EXACT,AG-GT
 1590408,1590761,354,START: end -19 AG-GT
 1591313,1591426,114,END: start 7 AG
 1591638,1591996,359,EXACT,GT
 1592363,1593327,965,START: end 541 AG-GT
 1593720,1593868,149,END: start -1357 AG-GT
 1594138,1594584,447,START:Ends:1596083-1595952-
 ID=NCLIV_031990 - 1 G..ATGG
 1598709,1599035,327
 ID=NCLIV_032020 - 2 [CT]..ATG[ACT]
 1650300,1650857,558
 1651256,1653244,1989
 ID=NCLIV_032050 - 16 A..ATG
 1669581,1669676,96,END:Starts:1668518-1669101-1668549-
 1670070,1670129,60,EXACT,AG-GT
 1670527,1670949,423,EXACT,AG-GT
 1671212,1671270,59,START: end 84 GT (ref:AC-GT)<< Possible error
 1671561,1671765,205,END: start -70 AG (ref:AC-GT)<< Possible error
 1672073,1672533,461,EXACT,AG-GT
 1673157,1673247,91,EXACT,AG-GT
 1673520,1673565,46,EXACT,AG-GT
 1673768,1673855,88,EXACT,AG-GT
 1674406,1674463,58,EXACT,AG-GT
 1674786,1675035,250,EXACT,AG-GT
 1675524,1675677,154,EXACT,AG-GT
 1676045,1676189,145,EXACT,AG-GT
 1676715,1676886,172,EXACT,AG-GT
 1677209,1677309,101,EXACT,AG-GT
 1677767,1677913,147,START:Ends:1678932-1678751-1678886-
 ID=NCLIV_032070 - 12 A..ATG
 1689645,1690362,718,END:Starts:1689038-1689239-1689231-
 1690610,1691730,1121,START: end -11 GT
 1691905,1692660,756,EXACT,AG

1693033,1693730,698,EXACT,AG-GT
 1694081,1694223,143,EXACT,AG-GT
 1694405,1704960,10556,START: end 2713 GT
 1705066,1715309,10244,END: start 9124 AG (ref:AC-GT)<< Possible error
 1715511,1718190,2680,EXACT,AG-GT
 1718717,1721676,2960,EXACT,AG-GT
 1722286,1722460,175,EXACT,AG-GT
 1722858,1723002,145,EXACT,AG-GT
 1723123,1723403,281,START:Ends:1723382-1725146-1724273-
 ID=NCLIV_032090 - 1 [CT]..ATG[ACT]
 1732980,1736399,3420
 ID=NCLIV_032120 - 1 A..ATG
 1760285,1761325,1041
 ID=NCLIV_032140 - 2 A..ATG
 1777028,1777641,614
 1778248,1779295,1048,OVER:Ends:1780485-1780086-1781092-
 ID=NCLIV_032150 - 5 A..ATG
 1783174,1784154,981
 1784704,1784898,195
 1785479,1785736,258
 1786036,1786398,363
 1786832,1787269,438
 ID=NCLIV_032160 - 5 GGGATGA
 1790128,1790292,165
 1790663,1790887,225,END: start 53 AG
 1791177,1792016,840
 1792286,1792367,82
 1792485,1793446,962
 ID=NCLIV_032170 - 2 [CT]..ATG[ACT]
 1796567,1798600,2034,END:Starts:1795743-1798482-
 1799249,1800370,1122,START:Ends:1801088-1800696-1799255-
 ID=NCLIV_032200 - 6 A..ATG
 1824677,1824730,54,END:Starts:1824490-1824461-
 1825202,1825329,128,EXACT,AG-GT
 1825701,1826166,466,EXACT,AG-GT
 1826396,1826509,114,EXACT,AG-GT
 1826859,1826917,59,EXACT,AG-GT
 1827314,1827452,139,START:Ends:1827938-1827913-
 ID=NCLIV_032220 - 3 A..ATG
 1834524,1834624,101,END:Starts:1834350-1834400-1834358-
 1835208,1835309,102,EXACT,AG-GT
 1836393,1836516,124,START:Ends:1836745-1836717-1836828-
 ID=NCLIV_032240 - 9 A..ATG
 1844030,1844140,111,END:Starts:1843300-1843273-1843252-
 1844391,1844495,105,EXACT,AG-GT
 1844992,1845215,224,EXACT,AG-GT
 1845964,1846219,256,EXACT,AG-GT
 1846815,1847028,214,START: end -42 AG-GT (ref:AC-GT)<< Possible error
 1847781,1848176,396,EXACT,AG-GT
 1848822,1848889,68,EXACT,AG-GT
 1849108,1849167,60,EXACT,AG-GT
 1849693,1849809,117,START:EXACT
 ID=NCLIV_032250 - 3 G..ATGG
 1854245,1854318,74,END:Starts:1853611-1853619-1853592-
 1854627,1854669,43,EXACT,AG-GT
 1855063,1855869,807,START:Ends:1856548-1856496-1856689-
 ID=NCLIV_032290 - 4 A..ATG
 1869847,1870011,165,END:EXACT
 1870112,1870251,140,EXACT,AG-GT
 1870370,1870754,385,EXACT,AG-GT

1871210,1871227,18,START:Ends:1871369-1871350-1871438-
ID=NCLIV_0323- 2 [CT]..ATG[ACT]
1873640,1874981,1342,END:Starts:1871562-1873324-1872754-
1875557,1877199,1643,START:Ends:1877928-1878674-1878645-
ID=NCLIV_032310 - 7 GAGATGT
1879066,1879132,67,END:Starts:1878843-1878834-
1879486,1879772,287,EXACT,AG
1880365,1880821,457,START: end -59 GT
1881626,1881693,68
1882129,1882591,463
1883080,1883237,158,END: start 34 AG
1883503,1884723,1221,START:Ends:1883865-1884692-
ID=NCLIV_032320 - 9 A..ATG
1890726,1890990,265,OVER:Starts:1889730-1889770-1889662-
1891129,1891288,160,END: start -1399 AG (ref:AC-GT)<< Possible error
1891571,1891694,124,EXACT,AG-GT
1891898,1891973,76,EXACT,AG-GT
1892482,1892678,197,EXACT,AG-GT
1893004,1893462,459,EXACT,AG-GT
1893774,1893875,102,EXACT,AG-GT
1894174,1894392,219,EXACT,AG-GT
1894844,1895167,324,START:Ends:1896816-1896801-1896820-
ID=NCLIV_032340 - 13 A..ATG
1906124,1906160,37,OVER:Starts:1904948-1905051-1904925-
1907230,1907439,210,EXACT,AG-GT
1908197,1908307,111,EXACT,AG-GT
1909485,1910229,745,EXACT,AG-GT
1910649,1911631,983,EXACT,TAGITGAI TAA:AG-GT
1912080,1912226,147,START: end 566 AG-GT (ref:AC-GT)<< Possible error
1912749,1912792,44,END: start -669 AG-GT (ref:AC-GT)<< Possible error
1913496,1914409,914,EXACT,AG-GT
1915014,1915159,146,EXACT,AG-GT
1915629,1915693,65,EXACT,AG-GT
1916381,1916559,179,START: end 381 AG-GT (ref:AC-GT)<< Possible error
1917630,1917950,321,START: end 10492 Code:INTERNAL-
1918482,1920534,2053,OVER:Starts:1917630-
ID=NCLIV_032350 - 2 GCCATGC
1924930,1928442,3513,END:Starts:1917630-
1928862,1929365,504,START:EXACT
ID=NCLIV_032360 - 11 A..ATG
1933762,1933887,126,END:Starts:1933489-1933508-1933426-
1934176,1934257,82,START: end 558 AG-GT
1934556,1934815,260,END: start -380 AG-GT
1935141,1935467,327,EXACT,AG-GT
1936041,1936424,384,EXACT,AG-GT
1936680,1937103,424,EXACT,AG-GT
1937614,1937752,139,EXACT,AG-GT
1938165,1938249,85,START: end -7 GT
1938541,1938693,153,END: start -3 AG (ref:AC-GT)<< Possible error
1939156,1939974,819,EXACT,AG-GT
1940549,1941646,1098,START:Ends:1942212-1942217-1942219-
ID=NCLIV_032380 - 1 A..ATG
1947162,1948181,1020
ID=NCLIV_032390 - 3 A..ATG
1950627,1951022,396,END:Starts:1950096-1950101-1950071-
1951562,1951707,146,EXACT,AG-GT
1952233,1952368,136,START:Ends:1952625-1952663-1952657-
ID=NCLIV_032400 - 2 GGCATGT
1953932,1954224,293,END:Starts:1952791-1952816-1952776-
1954359,1954431,73,START:Ends:1955203-1955310-1955229-

ID=NCLIV_032410 - 2 GCCATGA
1955159,1955428,270
1956088,1956669,582

ID=NCLIV_032420 - 4 A..ATG
1958131,1958588,458,END:Starts:1957768-1957916-
1958768,1958923,156,EXACT,AG-GT
1959229,1959333,105,EXACT,AG-GT
1960986,1961010,25,START:Ends:1962242-1961991-

ID=NCLIV_032440 - 16 [CT]..ATG[ACT]
1972532,1972720,189,END:Starts:1971969-1972019-
1972977,1973167,191,START: end 30 GT
1973352,1973447,96
1973863,1973978,116
1974170,1974237,68
1974564,1974656,93
1974812,1974949,138
1975588,1975750,163
1976135,1976244,110
1976402,1976534,133
1976813,1976877,65
1977176,1977363,188
1977673,1977913,241
1978306,1978466,161
1978698,1978876,179
1979125,1979135,11

ID=NCLIV_032470 - 6 CATATGG
1985728,1985952,225,END:EXACT
1986043,1986273,231,EXACT,AG-GT
1986374,1986577,204,EXACT,AG-GT
1986685,1986801,117,EXACT,AG-GT
1986916,1987461,546,EXACT,AG-GT
1987578,1988900,1323,START:Ends:1989922-1987977-1989737-

ID=NCLIV_032490 - 2 G..ATGG
2001063,2001354,292,END:Starts:2000527-2000699-2000616-
2001873,2002783,911,START:Ends:2003159-2003072-2003419-

ID=NCLIV_032510 - 9 A..ATG
2012952,2013202,251,END:Starts:2012379-2012320-
2013495,2014019,525,EXACT,AG-GT
2014291,2014423,133,START: end 83 GT
2015034,2015234,201
2015585,2015881,297
2016203,2017263,1061,END: start 105 AG
2017553,2017996,444,START: end 8 GT
2018429,2018575,147
2018850,2019120,271

ID=NCLIV_032540 - 5 GCCATGC
2034450,2035059,610
2035369,2035521,153
2035816,2036149,334
2036534,2037499,966
2037872,2038271,400

ID=NCLIV_032550 - 9 A..ATG
2041741,2042937,1197,END:EXACT
2043500,2044084,585,EXACT,AG-GT
2044483,2044653,171,START: end 4 GT
2045089,2045276,188,END: start 12 AG
2045617,2045744,128,EXACT,AG-GT
2046146,2046471,326,EXACT,AG-GT
2046945,2047330,386,START: end -196 GT
2047775,2047837,63,EXACT,AG-GT

2048194,2048353,160,START:Ends:2050127-2050033-
 ID=NCLIV_032570 - 3 A..ATG
 2055281,2055624,344,END:Starts:2054717-2053003-
 2056083,2056202,120,EXACT,AG-GT
 2056866,2057136,271,START:Ends:2059113-2057231-
 ID=NCLIV_032590 - 2 A..ATG
 2064575,2064580,6,END:Starts:2062912-2063816-
 2064924,2065397,474,START:Ends:2065304-2066377-2066493-
 ID=NCLIV_032610 - 1 GAGATGA
 2069540,2071381,1842
 ID=NCLIV_032620 - 10 A..ATG
 2075515,2075667,153,END:Starts:2074667-2074847-2074641-
 2075772,2075830,59,EXACT,AG-GT
 2075925,2076152,228,EXACT,AG-GT
 2076212,2076344,133,END: start 36 AG-GC (ref:AC-GT)<< Possible error
 2076446,2076547,102,EXACT,AG-GT
 2076737,2076788,52,EXACT,AG-GT
 2076893,2077092,200,EXACT,TAGITGAIATA:AG-GT
 2077186,2077350,165,EXACT,AG-GT
 2077546,2077745,200,START: end -8 GT
 2078142,2078166,25,OVER:Starts:2078138-
 ID=NCLIV_032640 - 8 GATATGC
 2085701,2086835,1135,END:Starts:2078138-
 2087237,2087340,104,EXACT,AG-GT
 2087848,2088063,216,EXACT,AG-GT
 2088593,2088739,147,END: start 8 AG-GT (ref:AC-GT)<< Possible error
 2089302,2089635,334,EXACT,AG-GT
 2090321,2091895,1575,START: end -20 GT
 2092285,2092967,683,END: start -11 AG
 2093284,2094090,807,START:Ends:2095089-2095085-
 ID=NCLIV_032670 - 5 A..ATG
 2102867,2102974,108,END:Starts:2101363-2102553-2102448-
 2103095,2103181,87,EXACT,AG-GT
 2103292,2103421,130,EXACT,AG-GT
 2103647,2103890,244,EXACT,GT
 2103988,2104168,181
 ID=NCLIV_032690 - 9 A..ATG
 2110751,2110922,172
 2110984,2111043,60
 2111097,2111193,97
 2111250,2111278,29
 2111342,2111465,124
 2111524,2111570,47
 2111630,2111730,101
 2111786,2111853,68
 2111904,2112174,271
 ID=NCLIV_032700 - 1 A..ATG
 2113120,2114802,1683
 ID=NCLIV_032730 - 8 GAGATGA
 2124866,2125336,471,END:Starts:2122412-2122421-
 2125828,2125959,132,EXACT,AG-GT
 2126173,2126271,99,EXACT,AG-GT
 2126853,2126973,121,START: end 426 AG-GT (ref:AC-GT)<< Possible error
 2127314,2127399,86,END: start -461 AG-GT (ref:AC-GT)<< Possible error
 2127648,2127734,87,EXACT,AG-GT
 2128270,2128355,86,EXACT,AG-GT
 2128665,2128758,94,START:Ends:2129968-2129898-2130836-
 ID=NCLIV_032750 - 4 A..ATG
 2141438,2141486,49,END:Starts:2140773-2140809-
 2142050,2142139,90,END: start -3 AG

2142446,2142594,149,EXACT,AG-GT
2142839,2143315,477,START:Ends:2144228-2143977-
ID=NCLIV_032770 - 6 A..ATG
2146580,2147659,1080,END:Starts:2146136-2146152-2146143-
2148098,2148448,351,EXACT,AG-GT
2148756,2148851,96,EXACT,AG-GT
2149219,2149325,107,EXACT,AG-GT
2149670,2149849,180,EXACT,AG-GT
2150263,2151178,916,START:Ends:2152454-2152103-2152991-
ID=NCLIV_032780 - 5 GCGATGC
2154673,2154776,104,END:EXACT
2154886,2155255,370,EXACT,AG-GT
2155394,2155478,85,EXACT,AG-GT
2155709,2155766,58,START: end 32 GT
2155843,2155912,70
ID=NCLIV_032820 - 6 G..ATGG
2174034,2174150,117
2174716,2174757,42,END: start -69 AG
2175328,2175769,442,EXACT,AG-GT
2176910,2177098,189
2177495,2177846,352
2178150,2181033,2884
ID=NCLIV_032830 - 16 A..ATG
2183432,2183599,168,END:Starts:2182903-2182776-2182699-
2184183,2184314,132,EXACT,AG-GT
2184909,2185044,136,EXACT,AG-GT
2185359,2185770,412,EXACT,AG-GT
2186018,2186100,83,EXACT,AG
2186305,2187140,836,EXACT,AG-GT
2187534,2187677,144,EXACT,AG-GT
2188004,2188203,200,EXACT,AG-GT
2188583,2188729,147,EXACT,AG-GT
2188825,2188975,151,EXACT,AG-GT
2189492,2189662,171,EXACT,AG-GT
2190069,2190308,240,EXACT,AG-GT
2190768,2190841,74,EXACT,GT
2191514,2191757,244
2192077,2192295,219
2193112,2193147,36
ID=NCLIV_032850 - 1 CAAATGG
2208747,2209688,942,OVER:Starts:2205054-2205056-
ID=NCLIV_0328- 24 A..ATG
2211896,2212995,1100
2213323,2213546,224
2213976,2214063,88
2214302,2214347,46
2214674,2214724,51
2215006,2215085,80
2215939,2216286,348
2216845,2216923,79
2217546,2217689,144
2218119,2218269,151
2218667,2218740,74
2219452,2219600,149
2219948,2220109,162
2220796,2220971,176
2221849,2221883,35
2222568,2222776,209
2223286,2223499,214
2223824,2224036,213

2224290,2224513,224
 2224745,2224916,172
 2225566,2225688,123
 2226056,2226213,158
 2226742,2227410,669
 2227985,2228024,40
 ID=NCLIV_032890 - 13 A..ATG
 2255380,2256822,1443
 2257078,2257176,99
 2257707,2258225,519
 2258696,2258803,108
 2259034,2259129,96
 2259683,2259874,192
 2261266,2261313,48
 2262148,2262241,94
 2262657,2262711,55
 2263023,2263087,65
 2263363,2263461,99
 2263901,2263941,41
 2264449,2264469,21
 ID=NCLIV_032910 - 6 A..ATG
 2267946,2268054,109,OVER:Starts:2267820-2267758-2267753-
 2268318,2268457,140,EXACT,AG-GT
 2269082,2269438,357,END: start 198 AG-GT (ref:CA-TG)<< Possible error
 2269840,2270099,260,EXACT,AG-GT
 2271043,2271204,162,START: end -12 GT
 2272103,2272208,106
 ID=NCLIV_032930 - 1 G..ATGG
 2281472,2289499,8028
 ID=NCLIV_032950 - 3 A..ATG
 2301094,2301258,165,END:Starts:2300432-2300548-2296344-
 2301559,2301695,137,EXACT,AG-GT
 2302145,2302409,265,START:Ends:2302633-2302603-2302615-
 ID=NCLIV_032980 - 1 A..ATG
 2329517,2330008,492
 ID=NCLIV_032990 - 3 [CT]..ATG[ACT]
 2333380,2334829,1450
 2335088,2335504,417
 2336237,2336262,26
 ID=NCLIV_033010 - 1 G..ATGG
 2348411,2348950,540
 ID=NCLIV_033030 - 6 A..ATG
 2365815,2366412,598,OVER:Starts:2364277-2364252-2364248-
 2366644,2366855,212,END: start -2392 AG (ref:GC-GC)<< Possible error
 2367152,2368611,1460,EXACT,AG-GT
 2369083,2369284,202,EXACT,AG-GT
 2369686,2369969,284,EXACT,AG-GT
 2370421,2371459,1039,START:EXACT
 ID=NCLIV_033050 - 6 A..ATG
 2380086,2380790,705
 2381055,2381250,196
 2382197,2382245,49
 2382434,2382500,67
 2383404,2388251,4848
 2388825,2391641,2817
 ID=NCLIV_033060 - 14 A..ATG
 2394447,2394496,50,END:Starts:2393912-2393926-2393919-
 2394989,2395064,76,EXACT,TAG|TGA|TAA:AG-GT
 2395656,2395696,41,EXACT,AG-GT
 2396231,2396385,155,EXACT,AG-GT

2396959,2397071,113,START: end 284 GT
 2397517,2397597,81
 2398335,2398397,63,END: start -3 AG
 2398771,2398816,46,START: end 1171 GT
 2399349,2399434,86,OVER: start -578 and end 553 GT
 2400326,2400453,128
 2400815,2400975,161
 2401354,2401460,107
 2401799,2401855,57,END: start 1 AG
 2402426,2402440,15,START:Ends:2403699-2403104-
 ID=NCLIV_033070 - 1 [CT]..ATG[ACT]
 2407960,2409483,1524
 ID=NCLIV_033080 - 1 CCTATGG
 2410984,2411625,642
 ID=NCLIV_033090 - 11 A..ATG
 2420698,2420777,80,END:EXACT
 2421243,2421609,367,EXACT,ATG:AG-GT
 2422308,2422397,90,START: end -15 GT
 2422908,2422958,51,END: start 14 AG
 2423593,2423634,42,EXACT,AG-GT
 2424287,2424336,50,EXACT,AG-GT
 2424738,2425120,383,EXACT,AG-GT
 2425398,2425593,196,EXACT,AG-GT
 2426216,2426325,110,EXACT,AG-GT
 2426629,2426742,114,EXACT,AG-GT
 2427693,2427787,95,START:Ends:2429167-2428496-2429000-
 ID=NCLIV_033100 - 12 A..ATG
 2430830,2430940,111,END:EXACT
 2431491,2431590,100,EXACT,AG-GT
 2432129,2432186,58,EXACT,AG-GT
 2432843,2433056,214,EXACT,AG-GT
 2433903,2434097,195,EXACT,AG-GT
 2434561,2434654,94,START: end -13 GT
 2434947,2435122,176,END: start -97 AG
 2435754,2435909,156,EXACT,AG-GT
 2436567,2436672,106,EXACT,AG-GT
 2437351,2437495,145,EXACT,AG-GT
 2437996,2438119,124,START: end -17 GT
 2438607,2438921,315
 ID=NCLIV_033120 - 1 A..ATG
 2446951,2448369,1419
 ID=NCLIV_033130 - 8 A..ATG
 2450711,2450925,215,END:Starts:2450100-2450176-2450081-
 2451312,2452064,753,EXACT,AG-GT
 2452164,2452453,290,START: end 132 AG-GT (ref:AC-GT)<< Possible error
 2453194,2454111,918,EXACT,AG-GT
 2454396,2454490,95,EXACT,AG-GT
 2454712,2454771,60,EXACT,AG-GT
 2454920,2455001,82,EXACT,GT
 2455683,2455885,203,START:Ends:2456571-2455688-
 ID=NCLIV_033150 - 2 A..ATG
 2460591,2460814,224
 2461357,2461657,301
 ID=NCLIV_033190 - 1 A..ATG
 2477950,2478462,513
 ID=NCLIV_033200 - 13 A..ATG
 2481068,2481154,87,END:Starts:2480994-2480866-2480993-
 2481422,2481497,76,EXACT,AG-GT
 2481756,2481950,195,EXACT,AG-GT
 2482319,2482444,126,START: end 4 GT

2482728,2482867,140,END: start 1 AG (ref:AC-GT)<< Possible error
2483557,2483597,41,EXACT,AG-GT
2484107,2484155,49,EXACT,AG-GT
2484776,2484885,110,EXACT,AG-GT
2485612,2485681,70,EXACT,AG-GT
2486080,2486330,251,EXACT,AG-GT
2486812,2486917,106,EXACT,AG-GT
2487375,2487500,126,EXACT,AG-GT
2488052,2488165,114,START:Ends:2489320-2489313-2488328-
ID=NCLIV_033270 - 9 A..ATG
2533234,2533292,59,OVER:Starts:2532644-2533253-2532658-
2533986,2534085,100,END: start -1328 AG (ref:AC-GT)<< Possible error
2534489,2534583,95,EXACT,AG-GT
2535208,2535331,124,EXACT,AG-GT
2535938,2535999,62,EXACT,AG-GT
2536641,2536716,76,EXACT,AG-GT
2537140,2537205,66,EXACT,AG-GT
2538039,2538182,144,EXACT,AG-GT
2538648,2539079,432,START:Ends:2539463-2539201-2544039-
ID=NCLIV_033300 - 6 GAGATGC
2562740,2563509,770,OVER:Starts:2561760-2561843-2563784-
2563909,2564566,658,END: start -2066 AG (ref:AC-GT)<< Possible error
2565161,2565235,75,START: end 191 GT
2565858,2566067,210
2566715,2567016,302,OVER: start -7 and end 2463 AG-GT
2567222,2567243,22,OVER:Ends:2567981-2569479-
ID=NCLIV_033330 - 3 CAAATGG
2578775,2578919,145,END:EXACT
2579342,2579406,65,START: end 1664 GT
2579897,2580016,120,OVER:Ends:2580840-2581070-
ID=NCLIV_033370 - 13 A..ATG
2615321,2615427,107,END:Starts:2614816-2614905-2614856-
2615902,2615951,50,EXACT,AG-GT
2616186,2616242,57,EXACT,ATG:AG-GT
2616809,2616893,85,EXACT,AG-GT
2617267,2617308,42,EXACT,AG-GT
2617953,2618055,103,EXACT,AG-GT
2618287,2618430,144,EXACT,GT
2618740,2618930,191
2619196,2619298,103
2619623,2619664,42
2620222,2620280,59
2620694,2620844,151
2621429,2621734,306
ID=NCLIV_033380 - 19 A..ATG
2624297,2624432,136,END:Starts:2621429-2623942-2622868-
2625104,2625178,75,EXACT,AG-GT
2625544,2625710,167,EXACT,AG-GT
2626345,2626667,323,EXACT,AG-GT
2627108,2627307,200,START: end -46 AG-GT
2627957,2628194,238,END: start 80 AG-GC (ref:AC-GT)<< Possible error
2628681,2628848,168,EXACT,AG-GT
2629619,2629776,158,EXACT,AG-GT
2630239,2630416,178,EXACT,AG-GT
2631130,2631269,140,EXACT,AG-GT
2631848,2632392,545,EXACT,AG-GT
2632757,2632999,243,START: end 4394 GT
2633635,2634178,544,OVER: start -878 and end 3215 GT
2634845,2634926,82,OVER: start -2088 and end 2467 GT
2635559,2636275,717,OVER: start -2802 and end 1118 GT

2636791,2636923,133,OVER: start -4034 and end 470 GT
 2637376,2637467,92
 2638205,2638477,273
 2638912,2639086,175
 ID=NCLIV_033390 - 4 GTGATGT
 2640842,2640901,60
 2640967,2641097,131
 2641160,2641196,37
 2641255,2641374,120
 ID=NCLIV_033430 - 8 CCGATGG
 2673415,2673660,246,END:Starts:2672761-2672751-2672568-
 2674355,2674952,598,EXACT,AG-GT
 2675672,2675775,104,START: end -1 GT (ref:AC-GT)<< Possible error
 2676182,2676281,100,END: start -73 AG (ref:AC-GT)<< Possible error
 2677472,2677626,155,END: start 50 AG-GC (ref:AC-GT)<< Possible error
 2677945,2678092,148,START: end 769 GT
 2678939,2678996,58
 2679542,2679650,109
 ID=NCLIV_033450 - 5 A..ATG
 2691550,2691649,100,END:Starts:2690210-2690964-2690668-
 2692120,2692172,53,EXACT,AG-GT
 2692492,2692635,144,START: end -10 GT
 2693261,2693571,311
 2693916,2693997,82
 ID=NCLIV_033470 - 2 [CT]..ATG[ACT]
 2706735,2706776,42
 2707296,2709776,2481
 ID=NCLIV_033480 - 8 A..ATG
 2714090,2714138,49
 2714805,2714879,75
 2715830,2715875,46,OVER: start -650 and end 196 AG
 2716251,2716363,113,EXACT,AG-GT
 2716869,2716945,77,EXACT,AG-GT
 2717529,2717656,128,EXACT,AG-GT
 2718369,2718719,351,EXACT,AG-GT
 2718949,2720263,1315,START:Ends:2720379-2721200-2721306-
 ID=NCLIV_033500 - 1 [CT]..ATG[ACT]
 2730602,2731900,1299
 ID=NCLIV_033530 - 1 GTGATGC
 2754937,2756847,1911
 ID=NCLIV_033560 - 1 A..ATG
 2778646,2783436,4791
 ID=NCLIV_033570 - 3 CAAATGG
 2786289,2787269,981
 2787782,2787807,26
 2788032,2788200,169
 ID=NCLIV_033600 - 4 A..ATG
 2811858,2812099,242
 2812394,2812795,402
 2813031,2813216,186
 2813568,2815311,1744
 ID=NCLIV_033620 - 9 [CT]..ATG[ACT]
 2831598,2832018,421,END:Starts:2830659-2827585-2827003-
 2832553,2832721,169,EXACT,AG-GT
 2833252,2833372,121,EXACT,GT
 2833865,2833980,116,END: start -3 AG (ref:AC-GT)<< Possible error
 2834941,2835192,252,EXACT,AG-GT
 2835697,2835969,273,EXACT,AG-GT
 2836328,2836447,120,EXACT,AG-GT
 2837035,2837269,235,START: end 466 GT

2837891,2838232,342
 ID=NCLIV_033630 - 7 [CT]..ATG[ACT]
 2840944,2841395,452
 2842794,2842886,93
 2843536,2843639,104
 2844169,2845873,1705
 2846526,2846668,143
 2847040,2847825,786
 2849210,2849229,20
 ID=NCLIV_033640 - 1 GACATGA
 2850335,2850784,450
 ID=NCLIV_033660 - 1 TTCATGG
 2855616,2856737,1122
 ID=NCLIV_033670 - 5 A..ATG
 2862008,2862173,166
 2862525,2862641,117
 2863021,2863466,446,END: start 15 AG
 2863745,2863972,228,END: start -1 AG
 2864708,2865706,999,START:Ends:2866707-2866644-
 ID=NCLIV_033690 - 4 TCCATGG
 2872887,2873025,139,END:Starts:2871701-2871677-2872036-
 2873219,2873624,406,EXACT,AG-GT
 2874019,2875629,1611,EXACT,AG-GT
 2876303,2876417,115,START:Ends:2884127-2877104-2891207-
 ID=NCLIV_033710 - 24 G..ATGG
 2884082,2884415,334
 2884666,2884777,112
 2885197,2885465,269
 2885811,2886542,732
 2886870,2887291,422
 2887574,2887660,87
 2888091,2888681,591
 2889237,2889854,618
 2890021,2890872,852
 2891167,2891267,101
 2891731,2891899,169
 2892300,2893011,712
 2893244,2893563,320
 2893893,2894195,303
 2894538,2894763,226
 2895180,2895391,212
 2895705,2896101,397
 2896259,2896641,383
 2896999,2897314,316
 2897695,2898060,366
 2898283,2898386,104
 2898791,2898959,169
 2900143,2900407,265
 2901085,2901217,133
 ID=NCLIV_033730 - 11 [CT]..ATG[ACT]
 2910646,2912667,2022,END:Starts:2911758-2903632-
 2913366,2915682,2317,START: end 354 GT
 2916365,2916742,378
 2916966,2917468,503
 2917948,2918305,358
 2918975,2919059,85
 2919725,2919848,124
 2920396,2922036,1641
 2922624,2923061,438,END: start -82 AG
 2923415,2925772,2358,START: end -2117 GT

2926801,2926818,18
 ID=NCLIV_033750 - 1 A..ATG
 2955087,2957204,2118
 ID=NCLIV_0337- 1 CGAATGG
 2963698,2965275,1578
 ID=NCLIV_033790 - 6 A..ATG
 2975965,2976540,576,END:Starts:2975327-2975348-2975321-
 2976762,2976988,227,EXACT,AG-GT
 2977303,2977440,138,EXACT,AG-GT
 2977641,2977716,76,EXACT,AG-GT
 2978053,2978166,114,EXACT,GT
 2978577,2978657,81
 ID=NCLIV_033840 - 6 [CT]..ATG[ACT]
 3014322,3014486,165
 3014978,3015081,104,END: start 7 AG
 3015595,3016213,619,START: end -8 GT
 3016883,3017295,413
 3018263,3018328,66
 3019438,3019501,64
 ID=NCLIV_033870 - 1 GTGATGT
 3040795,3043188,2394
 ID=NCLIV_033880 - 5 G..ATGG
 3045576,3045819,244,OVER:Starts:3044702-3044776-3044790-
 3046656,3047027,372,EXACT,AG-GT
 3047223,3047307,85,EXACT,AG-GT
 3047636,3048338,703,EXACT,AG-GT
 3048896,3049501,606,START:Ends:3048903-3049627-3050150-
 ID=NCLIV_033950 - 1 A..ATG
 3106708,3108723,2016
 ID=NCLIV_033970 - 9 A..ATG
 3114908,3115161,254
 3115383,3115553,171
 3115661,3115790,130
 3116123,3116251,129
 3116528,3116691,164
 3116848,3116985,138
 3117335,3117436,102
 3117592,3117668,77
 3117902,3117960,59
 ID=NCLIV_033980 - 4 [CT]..ATG[ACT]
 3119525,3119728,204
 3119885,3120232,348,EXACT,AG
 3120519,3120902,384,START: end -54 GT
 3121365,3122036,672
 ID=NCLIV_033990 - 2 [CT]..ATG[ACT]
 3127159,3127443,285,END:EXACT
 3127718,3128155,438,START:Ends:3128281-3128238-3128395-
 ID=NCLIV_034010 - 12 [CT]..ATG[ACT]
 3132873,3133118,246,END:Starts:3131357-3132365-3131436-
 3133226,3133375,150,START: end 4 GT
 3133475,3133517,43,END: start 11 AG (ref:AC-GT)<< Possible error
 3133656,3133822,167,EXACT,AG-GT
 3133936,3134267,332,EXACT,AG-GT
 3134451,3134520,70,EXACT,ATG:AG-GT
 3134745,3134819,75,EXACT,ATG:AG-GT
 3135315,3135497,183,EXACT,AG-GT
 3135767,3136345,579
 3136664,3136841,178
 3137000,3137183,184,START: end 752 GT
 3137340,3137403,64,OVER:Ends:3137956-3137935-

ID=NCLIV_034030 - 4 A..ATG
 3146827,3151383,4557,END:Starts:3145106-3145332-3144941-
 3151742,3152554,813,EXACT,AG-GT
 3152985,3153101,117,EXACT,AG-GT
 3153507,3154904,1398,START:Ends:3156415-3156546-3156532-
 ID=NCLIV_034050 - 6 A..ATG
 3164588,3164633,46,END:Starts:3163704-3163854-3163906-
 3165030,3165069,40,EXACT,AG-GT
 3165767,3165828,62,EXACT,TAG|TGA|TAA:AG-GT
 3166245,3166426,182,START: end 733 AG-GT (ref:AC-GT)<< Possible error
 3166828,3167159,332,END: start -583 AG-GT (ref:AC-GT)<< Possible error
 3167357,3167393,37,START:Ends:3168955-3172911-3172858-
 ID=NCLIV_034070 - 1 A..ATG
 3174599,3180898,6300
 ID=NCLIV_034090 - 21 A..ATG
 3199229,3200497,1269,END:Ends:3200497-3200717-
 3201171,3201389,219,END: start -203 AG-GT
 3201759,3201898,140,EXACT,AG-GT
 3202182,3202380,199,EXACT,AG-GT
 3202802,3202981,180,EXACT,AG-GT
 3203275,3203421,147,EXACT,AG-GT
 3203839,3203971,133,EXACT,AG-GT
 3204787,3205239,453,EXACT,AG-GT
 3205539,3206479,941,EXACT,AG-GT
 3206769,3206946,178,START: end 748 GT
 3207396,3207502,107,OVER: start -627 and end 192 GT
 3207949,3208054,106
 3208657,3208844,188,END: start 53 AG (ref:AC-GT)<< Possible error
 3209006,3209123,118,EXACT,AG-GT
 3209637,3209834,198,EXACT,AG-GT
 3210159,3210212,54,EXACT,AG-GT
 3210694,3210884,191,EXACT,TAG|TGA|TAA:AG-GT
 3211395,3211597,203,EXACT,AG-GT
 3212400,3212495,96,EXACT,AG-GT
 3213091,3213304,214,START: end 214 GT
 3215335,3215472,138
 ID=NCLIV_034100 - 7 A..ATG
 3218449,3218970,522,END:Starts:3217806-3217751-3217794-
 3219347,3219670,324,EXACT,AG-GT
 3220427,3220531,105,START: end -67 AG-GT
 3220734,3220925,192,START: end 168 AG-GT
 3221387,3221842,456,EXACT,AG-GT
 3222096,3222202,107,EXACT,AG-GT
 3222727,3223027,301,START:Ends:3223865-3223316-
 ID=NCLIV_034120 - 1 A..ATG
 3227931,3228641,711
 ID=NCLIV_034140 - 2 G..ATGG
 3238706,3238872,167
 3239469,3240870,1402
 ID=NCLIV_034170 - 28 [CT]..ATG[ACT]
 3262116,3262228,113
 3262737,3262890,154
 3263350,3263760,411
 3264361,3264669,309
 3265093,3265255,163
 3265839,3266095,257
 3266530,3266616,87
 3267118,3267299,182
 3267820,3268528,709
 3268837,3269088,252

3269744,3270187,444
 3270311,3270643,333
 3271046,3271813,768
 3272203,3273132,930
 3273435,3275171,1737
 3275705,3275708,4
 3276097,3276467,371
 3276851,3277789,939
 3278278,3278382,105
 3278901,3279620,720
 3280256,3280468,213
 3281025,3282173,1149
 3282615,3282884,270
 3283311,3284020,710
 3284323,3284390,68
 3284628,3285001,374
 3285650,3285790,141
 3285992,3287101,1110
 ID=NCLIV_0341- 8 A..ATG
 3297578,3297832,255,END:Starts:3296785-3296894-3296781-
 3298287,3298478,192,EXACT,AG-GT
 3298806,3298877,72,EXACT,AG-GT
 3299317,3299479,163,EXACT,AG-GT
 3299989,3300207,219,EXACT,AG-GT
 3300635,3301120,486,EXACT,AG-GT
 3301349,3301689,341,EXACT,AG-GT
 3302262,3302465,204,START:Ends:3303028-3303015-
 ID=NCLIV_034200 - 9 [CT]..ATG[ACT]
 3305016,3305156,141,END:Starts:3304388-3304676-3304637-
 3305957,3306058,102,EXACT,AG-GT
 3306201,3306349,149,EXACT,AG-GT
 3306744,3306891,148,EXACT,AG-GT
 3307728,3307844,117,EXACT,AG-GT
 3308477,3309538,1062,EXACT,AG
 3309895,3310853,959,START: end -16 GT
 3311742,3312075,334,END: start 35 AG
 3312842,3313750,909,START:Ends:3313337-3313729-
 ID=NCLIV_034230 - 4 [CT]..ATG[ACT]
 3331971,3332045,75,END:Starts:3331195-3331296-3330919-
 3332650,3332790,141,EXACT,AG-GT
 3333599,3333767,169,START: end 3 GT
 3334764,3334960,197
 ID=NCLIV_034240 - 7 A..ATG
 3337866,3338111,246
 3338733,3338870,138
 3339311,3339436,126
 3339634,3339719,86
 3340276,3340391,116
 3340505,3340632,128
 3340997,3341569,573
 ID=NCLIV_034250 - 2 GAAATGC
 3346090,3346359,270
 3346699,3346749,51
 ID=NCLIV_034270 - 2 A..ATG
 3360706,3361049,344
 3361508,3364262,2755
 ID=NCLIV_034280 - 14 G..ATGG
 3367919,3368267,349,END:Starts:3367570-3367555-3367578-
 3368423,3368553,131,EXACT,AG-GT
 3368898,3368988,91,EXACT,GT

3369508,3369555,48,END: start 5 AG (ref:AC-GT)<< Possible error
 3370027,3370173,147,EXACT,AG-GT
 3370672,3371015,344,EXACT,AG-GT
 3371370,3371551,182,EXACT,AG-GT
 3372108,3372252,145,EXACT,AG-GT
 3372702,3372858,157,EXACT,AG-GT
 3373284,3373397,114,EXACT,AG-GT
 3374103,3374212,110,EXACT,AG-GT
 3375102,3375428,327,START: end -23 GT
 3375989,3376207,219
 3376832,3378106,1275
 ID=NCLIV_034290 - 1 A..ATG
 3384131,3385330,1200
 ID=NCLIV_034300 - 1 [CT]..ATG[ACT]
 3388161,3390446,2286
 ID=NCLIV_034310 - 5 A..ATG
 3395398,3395568,171,END:EXACT
 3395851,3395925,75,EXACT,AG-GT
 3396440,3396555,116,EXACT,AG-GT
 3397188,3397295,108,EXACT,AG-GT
 3398319,3398355,37,START:Ends:3399026-3398973-3399033-
 ID=NCLIV_034360 - 2 A..ATG
 3430015,3431660,1646,END:Starts:3429587-3431397-
 3432011,3432740,730,START:Ends:3433430-3433524-
 ID=NCLIV_034380 - 1 A..ATG
 3441307,3442446,1140
 ID=NCLIV_034381 - 1 A..ATG
 3445143,3446291,1149
 ID=NCLIV_034390 - 1 A..ATG
 3448707,3449828,1122
 ID=NCLIV_034391 - 1 A..ATG
 3452361,3453524,1164
 ID=NCLIV_034400 - 1 A..ATG
 3460907,3462037,1131
 ID=NCLIV_034410 - 2 A..ATG
 3464781,3465843,1063
 3468374,3468909,536
 ID=NCLIV_034411 - 1 A..ATG
 3472652,3473779,1128
 ID=NCLIV_034420 - 1 A..ATG
 3476041,3477159,1119
 ID=NCLIV_034430 - 1 A..ATG
 3479418,3480854,1437
 ID=NCLIV_034431 - 1 A..ATG
 3482841,3483977,1137
 ID=NCLIV_034440 - 1 A..ATG
 3486170,3487294,1125
 ID=NCLIV_034460 - 11 CAGATGG
 3497341,3497379,39,END:Starts:3497026-3496907-3496885-
 3497755,3497903,149,EXACT,AG-GT
 3498280,3498403,124,EXACT,AG-GT
 3498963,3499091,129,EXACT,AG-GT
 3499309,3499587,279,EXACT,AG-GT
 3499953,3500209,257,EXACT,AG-GT
 3500638,3500854,217,EXACT,AG-GT
 3501180,3501367,188,EXACT,AG-GT
 3501918,3502112,195,EXACT,AG-GT
 3502315,3502410,96,EXACT,AG-GT
 3502758,3502863,106,START:EXACT
 ID=NCLIV_034470 - 3 A..ATG

3505371,3505549,179,END:EXACT
3505990,3506079,90,EXACT,AG-GT
3506901,3507198,298,START:Ends:3507908-3507816-3507874-
ID=NCLIV_034500 - 2 GTCATGT
3522901,3523289,389,END:Starts:3522116-3521994-3522150-
3523736,3524738,1003,START:Ends:3525807-3525746-3525821-
ID=NCLIV_034510 - 8 A..ATG
3526794,3526900,107
3526958,3527073,116
3527395,3527460,66
3527518,3527552,35
3527608,3527677,70
3527738,3527850,113
3527907,3528013,107
3528076,3528304,229
ID=NCLIV_034520 - 9 G..ATGG
3528924,3529197,274,OVER:Starts:3528874-3528790-3528823-
3529286,3529396,111,END: start -463 AG (ref:AC-GT)<< Possible error
3529720,3529764,45,EXACT,AG-GT
3529882,3529945,64,START: end -24 AG-GT
3530043,3530125,83,EXACT,AG-GT
3530311,3530400,90,EXACT,AG-GT
3530589,3530656,68,START: end 688 GT
3530757,3531022,266,OVER: start -168 and end 322 GT
3531506,3531542,37
ID=NCLIV_034540 - 5 A..ATG
3547937,3548373,437,END:Starts:3547749-3547745-
3548869,3549037,169,EXACT,AG-GT
3549582,3549874,293,START: end 3 GT
3550269,3550362,94,END: start 11 AG
3550925,3550993,69,START:Ends:3552130-3551413-
ID=NCLIV_034550 - 9 A..ATG
3554066,3554408,343
3554653,3554759,107
3555081,3555164,84
3556032,3556092,61
3556413,3556474,62
3556935,3557036,102
3557570,3557637,68
3558306,3558391,86
3559200,3559891,692
ID=NCLIV_034570 - 3 TCCATGG
3572905,3573237,333
3573662,3573917,256,END: start 40 AG
3574363,3575057,695,START:Ends:3575715-3575170-
ID=NCLIV_034590 - 4 A..ATG
3584731,3585905,1175
3586275,3586772,498
3587114,3587238,125
3587743,3588668,926
ID=NCLIV_034610 - 1 A..ATG
3599088,3609629,10542
ID=NCLIV_034620 - 2 A..ATG
3613386,3614076,691,END:Starts:3607938-
3615093,3616012,920
ID=NCLIV_034640 - 15 A..ATG
3621251,3621512,262,END:Starts:3620591-3620735-3620722-
3622227,3622836,610,EXACT,AG-GT
3623472,3623876,405,EXACT,AG-GT
3624451,3624557,107,EXACT,AG-GT

3624923,3625065,143,EXACT,AG-GT
 3625850,3625916,67,EXACT,AG-GT
 3626151,3626242,92,EXACT,AG-GT
 3626594,3626663,70,START: end 279 GT
 3627345,3627600,256
 3627935,3628019,85
 3628698,3629069,372
 3629254,3629347,94
 3629807,3630263,457
 3630830,3630876,47
 3630931,3631115,185
 ID=NCLIV_034660 - 4 A..ATG
 3637600,3638532,933,END:Starts:3636482-3636962-3636635-
 3638845,3639154,310,START: end -24 GT
 3639567,3639763,197,EXACT,AG
 3640302,3642587,2286,START:Ends:3641542-3643552-
 ID=NCLIV_034690 - 1 A..ATG
 3657051,3659468,2418
 ID=NCLIV_034700 - 13 [CT]..ATG[ACT]
 3661624,3661771,148,END:EXACT
 3662297,3662415,119,EXACT,AG-GT
 3662720,3662790,71,EXACT,AG-GT
 3663138,3663271,134,EXACT,AG-GT
 3663637,3663698,62,EXACT,AG-GT
 3664280,3664459,180,EXACT,AG-GT
 3664984,3665244,261,EXACT,ATG:AG-GT
 3665663,3666189,527,EXACT,AG-GT
 3666554,3668437,1884,EXACT,AG-GT
 3668782,3669925,1144,EXACT,AG-GT
 3670233,3670456,224,START: end -23 GT
 3670997,3672851,1855,EXACT,AG
 3673865,3673876,12,OVER:Ends:3675422-3673322-3674217-
 ID=NCLIV_034780 - 4 [CT]..ATG[ACT]
 3739228,3739277,50
 3739481,3739682,202
 3740301,3740397,97
 3741009,3744967,3959
 ID=NCLIV_034790 - 3 A..ATG
 3755854,3756809,956
 3757320,3757416,97,END: start -187 AG
 3758007,3758174,168
 ID=NCLIV_034810 - 4 [CT]..ATG[ACT]
 3761823,3761897,75,END:Starts:3761711-3761729-
 3762040,3762161,122,START: end 83 AG-GT
 3762214,3762244,31,END: start -174 AG-GT
 3762305,3762385,81
 ID=NCLIV_034830 - 1 [CT]..ATG[ACT]
 3774424,3776682,2259
 ID=NCLIV_034850 - 1 GAGATGA
 3792364,3793689,1326
 ID=NCLIV_034870 - 13 A..ATG
 3804920,3805146,227
 3805340,3805451,112
 3805887,3805978,92
 3806315,3806426,112
 3806701,3806827,127
 3807191,3807354,164
 3807746,3807898,153
 3808335,3808612,278
 3808790,3808986,197

3809278,3809695,418
 3810080,3810259,180
 3810811,3811093,283
 3811621,3811941,321
 ID=NCLIV_034880 - 7 A..ATG
 3815434,3815716,283,END:Starts:3814716-3814720-3814713-
 3815836,3815930,95,EXACT,AG-GT
 3816658,3817335,678,EXACT,AG-GT
 3817723,3817846,124,EXACT,AG-GT
 3818260,3818480,221,EXACT,AG-GT
 3818845,3819024,180,EXACT,AG-GT
 3819509,3820249,741,START:Ends:3820761-3820494-3820727-
 ID=NCLIV_034890 - 7 A..ATG
 3827733,3827779,47,END:Starts:3826326-3826436-3826427-
 3827979,3828045,67,EXACT,AG-GT
 3828368,3828500,133,EXACT,ATG:AG-GT
 3828841,3828962,122,EXACT,GT
 3829986,3830122,137
 3830370,3830436,67,EXACT,AG-GT
 3830729,3831298,570,START:EXACT
 ID=NCLIV_034910 - 7 G..ATGG
 3838771,3839287,517,END:Starts:3838280-3838078-
 3839796,3841177,1382,START: end -267 GT
 3841674,3842382,709,END: start 676 AG
 3842695,3842929,235,START: end 1284 GT
 3843206,3843310,105,OVER: start -511 and end 903 GT
 3843846,3844580,735
 3846049,3846091,43
 ID=NCLIV_034930 - 1 G..ATGG
 3855352,3857049,1698,OVER:Ends:3858445-3858435-3858452-
 ID=NCLIV_034940 - 24 A..ATG
 3860846,3860910,65,OVER:Starts:3858550-3858565-3858606-
 3861304,3861586,283,END: start -2739 AG (ref:AC-GT)<< Possible error
 3862158,3863156,999,EXACT,AG-GT
 3863681,3863844,164,EXACT,AG-GT
 3864262,3864501,240,EXACT,AG-GT
 3864952,3865108,157,EXACT,AG-GT
 3865496,3865807,312,EXACT,ATG:AG-GT
 3865967,3866105,139,EXACT,AG-GT
 3866522,3868679,2158,START: end 1000 AG-GT
 3870778,3870997,220,OVER: start -518 and end 1360 GT
 3874244,3874306,63,OVER: start -1692 and end 218 NONE
 3875143,3875229,87
 3875758,3875904,147
 3876540,3876653,114
 3877869,3877949,81
 3878223,3878367,145
 3879128,3879197,70
 3879964,3880049,86
 3880263,3880399,137
 3880530,3880585,56
 3880760,3880844,85
 3881639,3881900,262
 3882348,3882466,119
 3883047,3883235,189
 ID=NCLIV_034950 - 11 A..ATG
 3885432,3885482,51,END:Starts:3884412-3884466-3885479-
 3885873,3885923,51,END: start -2 Info:TAG|TGA|TAA:AG-GT-AG-GT-donor=GA- (ref:AC-GT)<<
 Possible error
 3886465,3886567,103,EXACT,AG-GT

3886900,3886946,47,EXACT,AG-GT
 3887334,3887445,112,EXACT,AG-GT
 3887763,3887908,146,START: end 105 AG-GT
 3888419,3888495,77,EXACT,AG-GT
 3888990,3889047,58,EXACT,AG-GT
 3889473,3889565,93,EXACT,AG-GT
 3889890,3890039,150,EXACT,AG-GT
 3890250,3890384,135,START:Ends:3891835-3890421-
 ID=NCLIV_034970 - 13 A..ATG
 3898112,3898573,462,END:Starts:3897607-3897644-3897637-
 3898813,3898906,94,EXACT,AG-GT
 3899357,3899466,110,EXACT,AG-GT
 3899947,3900096,150,END: start 39 AG-GT (ref:AC-GT)<< Possible error
 3900530,3900647,118,START: end 18 GT
 3900986,3901092,107,END: start 17 AG (ref:AC-GT)<< Possible error
 3901680,3902003,324,EXACT,AG-GT
 3902470,3902616,147,EXACT,AG-GT
 3902987,3903103,117,EXACT,AG-GT
 3903685,3903742,58,START: end 1 GT
 3904437,3904555,119,END: start 15 AG (ref:AC-GT)<< Possible error
 3904921,3905363,443,EXACT,AG-GT
 3906090,3906786,697,START:Ends:3908203-3908389-
 ID=NCLIV_035010 - 8 A..ATG
 3933034,3933121,88,END:Starts:3932180-3932526-3932493-
 3933450,3933556,107,EXACT,AG-GT
 3934019,3934076,58,EXACT,AG-GT
 3934497,3934582,86,START: end 18 AG-GT
 3935320,3935855,536,START: end -2 GT
 3936460,3936562,103,END: start 14 AG (ref:AC-GT)<< Possible error
 3937076,3937224,149,EXACT,AG-GT
 3937756,3940081,2326,START:Ends:3940627-3940236-3940632-
 ID=NCLIV_035020 - 1 GAGATGC
 3945486,3947228,1743
 ID=NCLIV_035030 - 5 A..ATG
 3947425,3947511,87
 3947863,3948258,396
 3948760,3949062,303
 3949582,3949689,108
 3950039,3950347,309
 ID=NCLIV_035050 - 7 A..ATG
 3955226,3955368,143,END:Starts:3954719-3954908-3954905-
 3955797,3955874,78,EXACT,AG-GT
 3956175,3956289,115,START: end 130 GT
 3956618,3956805,188,END: start 42 Info:AG-GT-AG-GC-
 3957323,3957449,127,EXACT,AG-GT
 3957850,3957888,39,EXACT,AG-GT
 3958137,3958595,459,START:Ends:3959283-3959095-3959242-
 ID=NCLIV_035060 - 7 CGGATGG
 3960268,3960774,507
 3961002,3961085,84,END: start 1 AG-GT (ref:AC-GT)<< Possible error
 3961449,3961925,477,EXACT,AG-GT
 3962140,3962242,103,EXACT,AG-GT
 3962978,3963048,71
 3963263,3963723,461
 3964050,3964572,523
 ID=NCLIV_035080 - 6 [CT]..ATG[ACT]
 3979589,3979761,173,END:EXACT
 3980120,3980184,65,EXACT,AG-GT
 3980789,3980876,88,EXACT,AG-GT
 3981123,3981206,84,EXACT,AG-GT

3982310,3982394,85
 3982857,3982985,129
 ID=NCLIV_035100 - 9 GCGATGT
 3990490,3992208,1719
 3992775,3994292,1518
 3994791,4000720,5930
 4001627,4001965,339
 4002223,4002865,643
 4003332,4003791,460
 4004337,4005853,1517
 4006403,4006950,548
 4007487,4007757,271
 ID=NCLIV_035110 - 1 [CT]..ATG[ACT]
 4014243,4014869,627
 ID=NCLIV_035130 - 7 A..ATG
 4025643,4025801,159,END:Starts:4024893-4024973-4024759-
 4026378,4026593,216,EXACT,AG-GT
 4028074,4028432,359,START: end 236 GT
 4029026,4029097,72,END: start 9 AG (ref:AC-GT)<< Possible error
 4029465,4030019,555,EXACT,AG-GT
 4030216,4030341,126,EXACT,GT
 4031190,4031622,433,START:Ends:4032184-4032269-
 ID=NCLIV_035160 - 5 A..ATG
 4059779,4062337,2559,END:Starts:4058675-4058688-4058621-
 4062906,4062980,75,EXACT,AG-GT
 4063536,4063652,117,EXACT,AG-GT
 4064189,4064365,177,EXACT,AG-GT
 4064800,4066833,2034,START:Starts:4065850-4064800-
 ID=NCLIV_035180 - 1 A..ATG
 4082804,4084867,2064
 ID=NCLIV_035200 - 4 GAAATGC
 4097098,4097295,198,END:Starts:4096121-4096164-4096139-
 4097743,4097821,79,EXACT,AG-GT
 4098027,4098142,116,EXACT,AG-GT
 4098558,4100024,1467,START:Ends:4101274-4100864-4101328-
 ID=NCLIV_035230 - 12 A..ATG
 4114335,4114508,174,END:Starts:4111529-4114316-
 4114686,4115309,624,EXACT,AG
 4116028,4116127,100,EXACT,AG-GT
 4116519,4116582,64,EXACT,GT
 4116953,4117037,85
 4117525,4117596,72
 4118073,4118265,193
 4118535,4118588,54
 4119131,4119279,149,END: start 27 AG
 4119586,4119735,150,START: end -10 GT
 4120124,4120686,563
 4121295,4121541,247
 ID=NCLIV_035250 - 11 G..ATGG
 4126499,4126929,431
 4127239,4127371,133
 4127831,4128043,213
 4128333,4128529,197
 4130713,4130909,197,END: start 7 AG-GT (ref:AC-GT)<< Possible error
 4131294,4131403,110,EXACT,AG-GT
 4131742,4131872,131,EXACT,AG-GT
 4132572,4132662,91,EXACT,AG-GT
 4133074,4133235,162,EXACT,AG-GT
 4133775,4133942,168,EXACT,AG-GT
 4134842,4134937,96,START:Ends:4135493-4135532-

ID=NCLIV_035270 - 12 A..ATG
4150159,4150227,69
4150391,4150609,219
4151194,4151334,141
4151732,4151968,237,EXACT,AG
4152292,4152787,496,EXACT,AG-GT
4153455,4153498,44,START: end -7 GT
4153705,4154230,526,END: start 10 AG
4154462,4154854,393,START: end -40 GT
4155135,4155381,247,END: start -176 AG
4155809,4156096,288,START: end -132 GT
4156542,4156671,130
4157133,4157285,153

ID=NCLIV_035280 - 9 [CT]..ATG[ACT]
4160305,4160523,219,END:Ends:4160493-4160523-
4160666,4160714,49
4160844,4160946,103
4161172,4161286,115
4161592,4161765,174
4162121,4162200,80
4162407,4162560,154
4162845,4163045,201
4163175,4164077,903

ID=NCLIV_035290 - 9 A..ATG
4165745,4166021,277,END:Starts:4165531-4165689-4165657-
4166118,4166221,104,EXACT,AG-GT
4166586,4166690,105,EXACT,AG-GT
4166795,4166863,69,EXACT,AG-GT
4167139,4167258,120,EXACT,AG-GT
4167363,4167471,109,START: end 530 AG-GT (ref:AC-GT)<< Possible error
4167576,4168001,426,END: start -213 AG-GT (ref:AC-GT)<< Possible error
4168241,4168419,179,EXACT,AG-GT
4168682,4169521,840,START:Ends:4169878-4169842-4169894-

ID=NCLIV_035310 - 4 A..ATG
4178119,4178267,149,END:Starts:4175601-4175620-4178037-
4178568,4178699,132,EXACT,ATG:AG-GT
4179259,4179433,175,EXACT,AG-GT
4179697,4180110,414,START:Ends:4181451-4181240-4181831-

ID=NCLIV_035320 - 6 A..ATG
4184030,4184207,178,END:Starts:4182845-4182873-4184178-
4184580,4185196,617,EXACT,AG-GT
4185804,4185930,127,EXACT,AG-GT
4186422,4187243,822,END: start 490 AG (ref:AC-GT)<< Possible error
4187973,4188052,80,EXACT,AG-GT
4188613,4189290,678,START:Ends:4190594-4189346-4190586-

ID=NCLIV_035340 - 18 CTGATGG
4194521,4194811,291,END:Starts:4193108-4193067-4193583-
4195346,4196227,882,EXACT,AG-GT
4196554,4196691,138,EXACT,AG-GT
4197372,4197540,169,START: end -8 GT (ref:AC-GT)<< Possible error
4198015,4198085,71
4198557,4198672,116,END: start 7 AG (ref:AC-GT)<< Possible error
4198946,4199211,266,EXACT,AG-GT
4199620,4199922,303,EXACT,AG-GT
4200583,4200869,287,EXACT,AG-GT
4201410,4201574,165,EXACT,AG-GT
4201928,4202163,236,EXACT,AG
4202809,4203990,1182,EXACT,AG-GT
4204168,4204825,658,EXACT,AG-GT
4205435,4205791,357,EXACT,AG-GT

4206341,4206562,222,EXACT,AG-GT
4207071,4207417,347,EXACT,AG-GT
4207889,4208129,241,EXACT,AG-GT
4208380,4211436,3057,START:Ends:4211523-4211389-
ID=NCLIV_035360 - 12 A..ATG
4219832,4220269,438,OVER:Starts:4219031-4219045-
4220942,4221058,117,END: start 3 AG
4221544,4221620,77,EXACT,AG-GT
4221746,4221842,97,EXACT,TAG|TGA|TAA:AG-GT
4222259,4222378,120,START: end 160 AG-GT
4222796,4222870,75,EXACT,AG-GT
4223928,4224023,96,EXACT,AG-GT
4224408,4224502,95,EXACT,AG-GT
4224978,4225078,101,EXACT,AG-GT
4225430,4225689,260,EXACT,AG-GT
4226435,4226552,118,EXACT,AG-GT
4227327,4228231,905,START:Ends:4228542-4228086-4228685-
ID=NCLIV_035370 - 1 A..ATG
4231327,4232187,861,OVER:Ends:4232488-4232504-4232463-
ID=NCLIV_035390 - 12 G..ATGG
4251564,4251680,117,END:Starts:4248691-4251169-4248937-
4252767,4252832,66,START: end 421 GT
4253170,4253251,82,OVER: start -403 and end 2 GT
4253398,4253544,147,END: start 6 Info:AG-GC-AG-GT-
4254296,4254358,63,EXACT,AG-GT
4254809,4254870,62,EXACT,AG-GT
4255495,4255576,82,EXACT,AG-GT
4256284,4256825,542,EXACT,AG-GT
4257126,4257233,108,EXACT,AG-GT
4257632,4257666,35,EXACT,AG-GT
4258085,4258225,141,START: end -79 GT
4258467,4258680,214
ID=NCLIV_035400 - 6 A..ATG
4261324,4261382,59,END:Starts:4260883-4260862-4260915-
4261842,4262023,182,EXACT,AG-GT
4262281,4262335,55,EXACT,AG-GT
4262655,4263033,379,WITHIN: start 136 and end -187 GT
4263253,4263410,158
4263728,4263755,28
ID=NCLIV_035450 - 11 GAGATGT
4275982,4276062,81
4276214,4276322,109
4276724,4277658,935
4277823,4277999,177
4278164,4278700,537
4278834,4279469,636
4279812,4280320,509
4280835,4281726,892
4282191,4282896,706
4283934,4284198,265
4284700,4286176,1477
ID=NCLIV_035470 - 10 A..ATG
4302207,4302410,204,END:Starts:4301132-4301175-4301239-
4303002,4303076,75,EXACT,AG-GT
4303711,4303809,99,EXACT,AG-GT
4303920,4304000,81,EXACT,AG-GT
4304266,4304401,136,EXACT,AG-GT
4304840,4305000,161,EXACT,AG-GT
4305417,4305635,219,START: end 979 AG-GT
4306397,4306614,218,END: start -980 AG-GT

4307026,4307185,160,EXACT,AG-GT
4307818,4307979,162,START:Ends:4308945-4308713-4308795-
ID=NCLIV_035490 - 1 A..ATG
4322933,4324984,2052
ID=NCLIV_035510 - 12 A..ATG
4331931,4332247,317,END:Starts:4330964-4330992-4330994-
4332779,4332842,64,EXACT,AG-GT
4333941,4333982,42,END: start -158 Info:AG-GC-AG-GT-
4334648,4334713,66,EXACT,AG-GT
4335237,4335554,318,END: start -21 ATG:AG-GT
4336369,4336764,396,START: end 2 GT
4337060,4337235,176,END: start 18 Info:AG-GT-AG-GC-
4337435,4337537,103,EXACT,AG-GT
4338188,4338432,245
4338628,4338709,82,END: start 19 AG
4338930,4339255,326,EXACT,AG-GT
4339657,4340149,493,START:Ends:4341769-4341752-
ID=NCLIV_035520 - 1 CCCATGG
4344195,4354856,10662
ID=NCLIV_035540 - 11 G..ATGG
4360589,4360692,104,END:Starts:4359869-4359901-4359839-
4361182,4361304,123,EXACT,AG-GT
4361737,4361906,170,EXACT,AG-GT
4362409,4362500,92,END: start -155 AG-GT
4363154,4363279,126,EXACT,AG-GT
4363890,4364238,349,EXACT,AG-GT
4364590,4364713,124,EXACT,AG-GT
4365321,4365413,93,EXACT,TAG|TGA|TAA:AG-GT
4365926,4366061,136,EXACT,AG-GT
4366192,4366349,158,EXACT,AG-GT
4367234,4367459,226,START:Ends:4368250-4368262-
ID=NCLIV_035560 - 4 A..ATG
4384830,4385099,270,END:Starts:4384401-4384387-4384410-
4385547,4385657,111,EXACT,AG-GT
4386162,4386282,121,EXACT,AG-GT
4386560,4386687,128,START:Ends:4387555-4387554-4387560-
ID=NCLIV_035590 - 9 A..ATG
4412141,4412324,184,END:Starts:4410834-4412127-4411285-
4412841,4413209,369,EXACT,AG-GT
4413647,4413745,99,EXACT,AG-GT
4414338,4414412,75,EXACT,AG-GT
4414674,4415084,411,EXACT,AG-GT
4415566,4415601,36,EXACT,AG-GT
4415806,4415886,81,EXACT,AG-GT
4416402,4416477,76,EXACT,AG-GT
4416906,4417803,898,START:EXACT
ID=NCLIV_035610 - 2 A..ATG
4423867,4424290,424
4424485,4425314,830
ID=NCLIV_035620 - 9 A..ATG
4427783,4427980,198,END:Starts:4426795-4426092-
4428307,4428384,78,EXACT,AG-GT
4428745,4428913,169,EXACT,AG-GT
4429450,4429712,263,START: end -99 GT
4430294,4430605,312,EXACT,AG-GT
4430836,4430924,89,EXACT,GT
4431310,4432080,771,EXACT,AG
4432536,4432631,96,EXACT,AG-GT
4432972,4434592,1621,START:Ends:4434879-4434898-
ID=NCLIV_035630 - 7 A..ATG

4435454,4435656,203
 4435716,4435805,90
 4435858,4435912,55
 4435968,4436015,48
 4436077,4436101,25
 4436160,4436226,67
 4436282,4436420,139
 ID=NCLIV_035640 - 3 G..ATGG
 4437265,4437542,278
 4437683,4438402,720
 4438524,4439367,844
 ID=NCLIV_035650 - 3 A..ATG
 4441896,4445132,3237
 4445263,4445334,72
 4445601,4445657,57
 ID=NCLIV_035680 - 3 [CT]..ATG[ACT]
 4458972,4459064,93,END:Starts:4458595-4458350-
 4459194,4459253,60,START: end -1 GT
 4459453,4459893,441
 ID=NCLIV_0357- 8 A..ATG
 4487565,4488328,764,END:Starts:4486290-4487347-4487346-
 4488761,4489861,1101,START: end 11 GT
 4490220,4490378,159
 4491154,4491229,76
 4491640,4491737,98,END: start 59 Info:AG-GT-AG-GC-
 4492247,4492354,108,EXACT,AG-GT
 4492781,4493628,848,START: end 1294 GT
 4493721,4493860,140,OVER:Ends:4496005-4494922-
 ID=NCLIV_035710 - 15 [CT]..ATG[ACT]
 4498929,4499076,148,END:Starts:4498403-4498520-4498256-
 4499468,4499952,485,EXACT,AG-GT
 4500510,4501144,635,EXACT,AG-GT
 4501517,4501802,286,EXACT,AG-GT
 4502083,4502211,129,EXACT,AG-GT
 4502391,4503254,864,EXACT,AG
 4503939,4504091,153,START: end -109 GT
 4504520,4504639,120
 4506437,4506622,186
 4507785,4507883,99
 4508576,4508821,246
 4509266,4509391,126
 4509721,4509817,97
 4510047,4510177,131
 4510975,4511727,753
 ID=NCLIV_035730 - 4 A..ATG
 4525257,4527476,2220
 4527737,4527973,237
 4528414,4528643,230
 4529382,4529565,184
 ID=NCLIV_035740 - 4 A..ATG
 4535580,4536086,507,END:Starts:4534397-4534236-
 4536224,4536346,123,EXACT,AG-GT
 4536492,4536653,162,START: end 120 AG-GT
 4536957,4537073,117,START:Ends:4537410-4537417-
 ID=NCLIV_035750 - 12 CCCATGG
 4539461,4539718,258,END:Starts:4538189-4538139-
 4540050,4540153,104,EXACT,AG-GT
 4540719,4540785,67,EXACT,AG-GT
 4541133,4541319,187,START: end 245 GT
 4541692,4541896,205

4542158,4542239,82
4542885,4542953,69
4543465,4543587,123
4543950,4544059,110
4544352,4544655,304
4544946,4545257,312
4545537,4545692,156
ID=NCLIV_035800 - 9 A..ATG
4599345,4599541,197,END:Starts:4598080-4598012-4597994-
4599929,4600055,127,EXACT,AG-GT
4600278,4600642,365,START: end 232 AG-GT
4600976,4601023,48
4601677,4601807,131,START: end 261 AG-GT
4602305,4602400,96,END: start 28 AG-GT
4602935,4603522,588,EXACT,AG-GT
4603966,4603996,31,EXACT,AG-GT
4604304,4604427,124,START:Ends:4605321-4605522-
ID=NCLIV_035830 - 2 A..ATG
4630739,4631772,1034
4631898,4631946,49
ID=NCLIV_035850 - 20 A..ATG
4644469,4646808,2340,END:Starts:4643855-4643704-4643611-
4647134,4647303,170,EXACT,AG-GT
4647580,4647800,221,EXACT,AG-GT
4647990,4648756,767,EXACT,AG-GT
4649126,4649260,135,START: end 2 GT
4649996,4650171,176,END: start 6 AG
4650446,4650851,406,EXACT,AG-GT
4651353,4651544,192,START: end 4 GT
4652118,4652442,325,END: start 8 AG (ref:AC-GT)<< Possible error
4652994,4653397,404,START: end 83 GT
4653743,4653913,171
4654524,4655304,781,EXACT,AG
4655579,4655755,177,EXACT,AG-GT
4656213,4656744,532,EXACT,AG-GT
4657078,4657397,320,START: end -17 GT
4657835,4658007,173
4658532,4658795,264,EXACT,AG-GT
4659113,4659372,260,EXACT,AG-GT
4659590,4660694,1105,EXACT,AG-GT
4661316,4661579,264,START:Ends:4662638-4661776-4664995-
ID=NCLIV_035890 - 2 GAGATGC
4687995,4688124,130,END:Starts:4687682-4687681-4687699-
4688542,4690226,1685
ID=NCLIV_035900 - 4 GAAATGA
4697503,4697799,297,END:EXACT
4698110,4701184,3075,EXACT,AG-GT
4701528,4701604,77,EXACT,AG-GT
4701838,4702519,682,START:Ends:4703399-4705419-
ID=NCLIV_035910 - 1 A..ATG
4706002,4708338,2337,OVER:EXACT
ID=NCLIV_035920 - 26 A..ATG
4710187,4710596,410,END:EXACT
4711146,4711369,224,EXACT,AG-GT
4711631,4711686,56,EXACT,AG-GT
4712191,4713988,1798,EXACT,AG-GT
4714248,4714656,409,EXACT,AG-GT
4714932,4715039,108,START: end 73 GT
4715390,4715466,77,END: start 2 AG (ref:AC-GT)<< Possible error
4715953,4716079,127,EXACT,AG-GT

4716631,4716763,133,EXACT,ATG:AG-GT
4717346,4717465,120,EXACT,AG-GT
4717572,4717630,59,EXACT,AG-GT
4717950,4718118,169,EXACT,AG-GT
4718433,4718550,118,EXACT,AG-GT
4719287,4719393,107,EXACT,AG-GT
4719821,4719939,119,EXACT,GT
4720497,4720612,116,END: start -3 AG (ref:AC-GT)<< Possible error
4721113,4721288,176,EXACT,AG-GT
4721744,4721882,139,EXACT,AG-GT
4722137,4722243,107,EXACT,AG-GT
4722671,4722762,92,EXACT,AG-GT
4722930,4723029,100,EXACT,AG-GT
4723257,4723434,178,EXACT,AG-GT
4723961,4724346,386,EXACT,AG-GT
4724642,4724832,191,EXACT,ATG:AG-GT
4725422,4725641,220,EXACT,AG-GT
4726046,4726501,456,START:Ends:4727547-4727660-4728384-
ID=NCLIV_035930 - 1 GAGATGT
4729115,4730605,1491
ID=NCLIV_035950 - 2 A..ATG
4750774,4751040,267,END:EXACT
4751591,4751638,48,START:EXACT
ID=NCLIV_035970 - 3 A..ATG
4761947,4762072,126,OVER:EXACT
4762459,4762602,144,START: end -23 AG
4763224,4764528,1305,START:Ends:4767006-4774479-
ID=NCLIV_035990 - 4 [CT]..ATG[ACT]
4775781,4775856,76,OVER:Starts:4775596-4775576-4775334-
4776028,4776652,625,END: start -452 AG (ref:AC-GT)<< Possible error
4777212,4777469,258,START: end 634 GT
4777862,4777874,13,OVER:EXACT
ID=NCLIV_036010 - 16 GTCATGC
4781497,4781745,249,END:Starts:4779543-4780850-4780011-
4782249,4782309,61,EXACT,AG-GT
4782837,4783033,197,EXACT,AG-GT
4783344,4783640,297,END: start -151 AG-GC (ref:AC-GT)<< Possible error
4783990,4784126,137,EXACT,AG-GT
4784558,4784628,71,EXACT,AG-GT
4785183,4785248,66,EXACT,AG-GT
4785936,4786019,84,START: end 5 GT
4786455,4786736,282,END: start -3 AG (ref:AC-GT)<< Possible error
4787207,4787334,128,EXACT,AG-GT
4787739,4787846,108,EXACT,AG-GT
4788239,4788313,75,START: end 2 GT
4788522,4788674,153,END: start 1 AG (ref:AC-GT)<< Possible error
4788981,4789252,272,EXACT,AG-GT
4789806,4789860,55,EXACT,AG-GT
4790288,4790395,108,START:Ends:4791349-4791317-4791326-
ID=NCLIV_036020 - 4 G..ATGG
4793340,4793952,613
4794623,4794764,142
4795105,4795828,724
4796181,4799627,3447
ID=NCLIV_036040 - 6 A..ATG
4810688,4810751,64,END:EXACT
4811188,4811348,161,EXACT,AG-GT
4811895,4812058,164,START: end 4 GT
4812253,4812272,20
4812851,4812996,146,END: start -6 AG (ref:AC-GT)<< Possible error

4813618,4813701,84,START:Ends:4814452-4814479-4814463-
ID=NCLIV_036060 - 8 A..ATG
4836132,4836170,39,END:Starts:4835614-4835611-4835594-
4836689,4836962,274,EXACT,AG-GT
4837609,4837928,320,EXACT,AG-GT
4838547,4838742,196,START: end 567 AG-GT (ref:AC-GT)<< Possible error
4839087,4839309,223,END: start -540 AG-GT (ref:AC-GT)<< Possible error
4839495,4839563,69,EXACT,AG-GT
4840119,4840463,345,EXACT,AG-GT
4841087,4841273,187,START:Ends:4842102-4842109-4842110-
ID=NCLIV_036070 - 3 TGCATGG
4844459,4844499,41,END:Starts:4844205-4843610-4843665-
4844759,4844865,107,EXACT,AG-GT
4845359,4846023,665,START:EXACT
ID=NCLIV_036080 - 18 GCCATGT
4847683,4847985,303,END:EXACT
4848235,4848323,89,EXACT,AG-GT
4848774,4848867,94,EXACT,AG-GT
4849327,4849425,99,EXACT,AG-GT
4849727,4849860,134,EXACT,AG-GT
4849999,4850126,128,START: end 114 GT
4850575,4850846,272
4851325,4851488,164
4851803,4852199,397
4852930,4852995,66
4853253,4853492,240
4853817,4853855,39
4854303,4854513,211,END: start 4 AG
4854781,4854902,122,EXACT,AG-GT
4855090,4855338,249,EXACT,AG-GT
4855971,4856098,128,EXACT,AG-GT
4856501,4856926,426,EXACT,AG-GT
4857348,4857747,400,START:Ends:4859583-4859620-
ID=NCLIV_036120 - 2 A..ATG
4881981,4882361,381,END:Starts:4881223-4881161-4881174-
4882907,4883314,408,START:Ends:4883991-4883970-4883998-
ID=NCLIV_036150 - 7 A..ATG
4897528,4897554,27
4897855,4898010,156,END: start -4 AG (ref:AC-GT)<< Possible error
4898437,4898627,191,EXACT,AG-GT
4899118,4899275,158,EXACT,AG-GT
4899608,4899736,129,EXACT,AG-GT
4900480,4900601,122,EXACT,AG-GT
4901229,4903316,2088,START:Ends:4903705-4903695-4903719-
ID=NCLIV_036160 - 2 A..ATG
4905549,4905748,200,END:Starts:4905035-4905050-4905031-
4906103,4906364,262,START:Ends:4906697-4906729-4906739-
ID=NCLIV_036190 - 8 A..ATG
4951128,4951816,689
4952269,4953140,872,START: end -628 AG (ref:AC-GT)<< Possible error
4953805,4953906,102,EXACT,GT
4954349,4955457,1109,EXACT,AG
4956429,4956717,289,START: end -202 Info:AG-GT-Start Codon:AG-GT-
4957135,4957321,187,EXACT,AG-GT
4957932,4959139,1208,START: end 738 GT
4959519,4959574,56,OVER:Ends:4959916-4959877-
ID=NCLIV_036240 - 7 A..ATG
4979492,4979513,22,END:Starts:4978081-4977918-
4981432,4981494,63
4982593,4982708,116

4983661,4983767,107
 4985070,4985194,125,EXACT,AG-GT
 4985622,4985720,99,EXACT,GT
 4986542,4986573,32
 ID=NCLIV_036260 - 10 G..ATGG
 4992269,4992669,401
 4993318,4993762,445
 4994272,4994544,273
 4994926,4995122,197
 4995852,4996409,558
 4996853,4997358,506
 4999184,4999334,151
 4999522,4999566,45
 5000394,5000455,62
 5001012,5001388,377
 ID=NCLIV_036280 - 3 A..ATG
 5005355,5005575,221,END:Starts:5005169-5005185-5005133-
 5006555,5006642,88,EXACT,AG-GT
 5007549,5007695,147,START:Ends:5007944-5007927-5007956-
 ID=NCLIV_036290 - 3 A..ATG
 5010381,5010518,138,OVER:Ends:5010518-5010600-
 5011397,5011541,145,END: start -2 Info:AG-GT-AG-GC-
 5011845,5012101,257,START:Ends:5013340-5013266-
 ID=NCLIV_036310 - 1 G..ATGG
 5017553,5018797,1245
 ID=NCLIV_036320 - 7 A..ATG
 5021360,5024670,3311,END:Starts:5024644-
 5025113,5025144,32,START: end 80 GT
 5025449,5025610,162
 5025837,5026051,215
 5026581,5026915,335
 5027148,5027474,327
 5027873,5028554,682
 ID=NCLIV_036330 - 2 A..ATG
 5033560,5033906,347
 5034348,5035290,943
 ID=NCLIV_036350 - 5 [CT]..ATG[ACT]
 5047500,5047562,63,END:Starts:5046589-5046559-
 5047921,5047983,63,START: end 167 GT
 5048292,5048432,141
 5048833,5049030,198
 5049447,5049476,30
 ID=NCLIV_036370 - 3 GCAATGC
 5056434,5056620,187
 5056654,5056865,212
 5056929,5056958,30
 ID=NCLIV_036390 - 1 A..ATG
 5070141,5072501,2361
 ID=NCLIV_036400 - 2 A..ATG
 5074619,5074940,322,END:Starts:5074207-5074342-5074199-
 5075068,5075318,251,START:Ends:5080186-5080666-
 ID=NCLIV_036420 - 5 TCAATGG
 5080712,5080729,18
 5081136,5081183,48
 5081964,5082032,69
 5082651,5082733,83
 5083798,5088328,4531
 ID=NCLIV_036450 - 2 A..ATG
 5106514,5106860,347,END:Starts:5105757-5105758-5105791-
 5107675,5109322,1648,START:Ends:5110110-5108011-5110080-

ID=NCLIV_036490 - 19 A..ATG
 5132866,5132931,66,END:Starts:5131959-5132015-5132167-
 5133454,5133773,320,EXACT,AG-GT
 5134091,5134245,155,START: end 40 AG-GT
 5134607,5134790,184,END: start -205 AG-GT (ref:AC-GT)<< Possible error
 5135512,5135555,44,EXACT,AG-GT
 5135939,5136307,369,EXACT,AG-GT
 5136819,5136895,77,EXACT,AG-GT
 5137188,5137305,118,EXACT,AG-GT
 5138001,5138920,920,START: end 199 AG-GT
 5139281,5139363,83,EXACT,AG-GT
 5139879,5139951,73,EXACT,AG-GT
 5140272,5140390,119,EXACT,GT
 5140812,5141112,301,END: start -1 AG (ref:AC-GT)<< Possible error
 5141543,5141652,110,EXACT,AG-GT
 5141968,5142085,118,START: end -1 GT
 5142733,5142849,117,EXACT,AG
 5143505,5143615,111,EXACT,GT
 5144376,5144451,76,EXACT,AG-GT
 5144634,5146675,2042,START:Ends:5147374-5145742-5147356-
 ID=NCLIV_036500 - 6 A..ATG
 5149875,5149927,53,END:Starts:5149548-5149517-5149454-
 5150803,5150921,119,EXACT,AG-GT
 5151081,5151157,77,EXACT,AG-GT
 5151562,5151663,102,EXACT,AG-GT
 5152390,5152425,36,EXACT,AG-GT
 5152968,5153009,42,START:Ends:5153682-5153640-
 ID=NCLIV_036530 - 18 GCGATGT
 5175467,5175571,105,END:Starts:5174951-5174947-5174935-
 5176113,5176229,117,EXACT,AG-GT
 5176949,5177077,129,EXACT,AG-GT
 5177719,5177745,27,START: end 176 GT
 5178320,5178446,127,EXACT,AG
 5178882,5179551,670,EXACT,AG-GT
 5180065,5180205,141,EXACT,AG-GT
 5180681,5180744,64,EXACT,AG-GT
 5181386,5181442,57,EXACT,AG-GT
 5181743,5181846,104,EXACT,AG-GT
 5182145,5182294,150,EXACT,TAG/TGATTA:AG-GT
 5182902,5184486,1585,START: end -44 GT
 5184963,5185198,236
 5185342,5185564,223,EXACT,AG
 5186190,5186339,150,EXACT,AG-GT
 5187420,5187568,149,START: end -6 AG-GT
 5187814,5188852,1039
 5189497,5189577,81
 ID=NCLIV_036540 - 5 [CT]..ATG[ACT]
 5193120,5193233,114
 5193849,5193892,44,END: start -62 AG
 5194060,5194206,147,EXACT,AG-GT
 5194832,5195025,194,EXACT,AG-GT
 5195325,5195503,179,START:Ends:5196291-5196257-5196292-
 ID=NCLIV_036550 - 1 GCCATGC
 5199384,5201276,1893
 ID=NCLIV_036560 - 1 CATATGG
 5203281,5204612,1332
 ID=NCLIV_036580 - 5 A..ATG
 5221800,5222102,303
 5222722,5222816,95
 5223492,5223780,289

5224206,5224343,138
 5225051,5225392,342
 ID=NCLIV_036600 - 2 CCAATGG
 5237240,5240779,3540
 5241090,5243693,2604
 ID=NCLIV_036610 - 8 A..ATG
 5249068,5249084,17,END:Starts:5248267-5248234-5248218-
 5249345,5249513,169,EXACT,AG-GT
 5249753,5250397,645,EXACT,AG-GT
 5250651,5250796,146,EXACT,AG-GT
 5250972,5251055,84,EXACT,AG-GT
 5251454,5251570,117,EXACT,AG-GT
 5252030,5252260,231,EXACT,AG-GT
 5252921,5252933,13,START:Ends:5253540-5253538-
 ID=NCLIV_036620 - 1 CAGATGG
 5256795,5257196,402
 ID=NCLIV_036640 - 4 GCCATGA
 5266448,5267428,981,END:Starts:5264969-5265172-5264961-
 5267838,5268996,1159,EXACT,AG-GT
 5269540,5270048,509,START: end 1622 GT
 5271689,5271697,9
 ID=NCLIV_036670 - 9 [CT]..ATG[ACT]
 5299536,5299759,224,END:Starts:5298624-5298105-
 5300616,5300795,180,START: end 10 GT
 5301176,5301281,106,END: start -35 AG
 5301847,5302182,336,EXACT,AG-GT
 5302980,5303273,294,EXACT,AG-GT
 5304593,5304813,221
 5305938,5305962,25
 5306299,5307000,702
 5307374,5307475,102
 ID=NCLIV_036680 - 1 A..ATG
 5310486,5311529,1044,OVER:Starts:5310255-5310176-
 ID=NCLIV_036720 - 6 A..ATG
 5344233,5344466,234
 5344926,5345110,185,END: start 36 AG (ref:AC-GT)<< Possible error
 5345468,5345608,141,EXACT,AG-GT
 5346087,5346221,135,EXACT,AG-GT
 5346782,5346878,97,START: end -10 GT
 5347328,5347480,153,OVER:Starts:5347322-5347325-
 ID=NCLIV_036750 - 3 A..ATG
 5362849,5363280,432,END:Starts:5362101-5362123-5362119-
 5363816,5363925,110,EXACT,AG-GT
 5364375,5364507,133,START:Ends:5366587-5366363-5366645-
 ID=NCLIV_0367- 2 TCAATGG
 5378671,5384078,5408
 5385029,5385089,61
 ID=NCLIV_036800 - 2 [CT]..ATG[ACT]
 5399510,5404091,4582,END:Starts:5392205-5398805-5395661-
 5404474,5405273,800,START:Ends:5410630-5406054-5406450-
 ID=NCLIV_036810 - 16 A..ATG
 5408588,5409776,1189
 5410197,5410304,108,EXACT,AG
 5410633,5412883,2251,START: end 870 GT
 5415965,5416274,310
 5416475,5416866,392,END: start 9 AG (ref:AC-GT)<< Possible error
 5417042,5417129,88,EXACT,AG-GT
 5417548,5417697,150,EXACT,AG-GT
 5417962,5418038,77,END: start -6 AG-GT (ref:AC-GT)<< Possible error
 5418229,5418679,451,EXACT,AG-GT

5419117,5419251,135,EXACT,AG-GT
 5419686,5419879,194,EXACT,AG-GT
 5420192,5420264,73,START: end 2 GT
 5420583,5421859,1277
 5423296,5423374,79,END: start -513 AG (ref:AC-GT)<< Possible error
 5423829,5423969,141,EXACT,AG-GT
 5425047,5426345,1299,START:Starts:5424778-5425047-
 ID=NCLIV_036840 - 2 [CT]..ATG[ACT]
 5447133,5448058,926
 5448860,5449847,988
 ID=NCLIV_036850 - 8 [CT]..ATG[ACT]
 5452185,5452545,361,END:Starts:5452028-5452066-5452050-
 5453260,5453483,224
 5454062,5454145,84
 5454555,5455301,747
 5455586,5455654,69
 5456055,5456189,135
 5456655,5456788,134
 5457376,5458849,1474
 ID=NCLIV_036890 - 2 A..ATG
 5488445,5489890,1446
 5490262,5490759,498
 ID=NCLIV_036940 - 13 GTGATGA
 5520166,5520203,38,END:Starts:5517763-5519198-5519156-
 5520657,5520726,70,EXACT,AG-GT
 5521278,5521332,55,EXACT,AG-GT
 5521982,5522040,59,EXACT,AG-GT
 5522699,5522761,63,EXACT,AG-GT
 5523144,5523498,355,EXACT,AG-GT
 5523766,5523840,75,END: start -1 AG
 5524539,5524618,80,START: end 1044 AG-GT (ref:AC-GT)<< Possible error
 5524986,5525040,55,OVER: start -447 and end 622 AG-GT (ref:AC-GT)<< Possible error
 5525512,5525662,151,END: start -973 AG-GT (ref:AC-GT)<< Possible error
 5526170,5526299,130,EXACT,AG-GT
 5526745,5527020,276,EXACT,AG-GT
 5527477,5527554,78,START:Ends:5529652-5528586-5529667-
 ID=NCLIV_036960 - 1 G..ATGG
 5546070,5547047,978
 ID=NCLIV_036970 - 2 A..ATG
 5550931,5551191,261,END:Starts:5550457-5550504-5550491-
 5552009,5552152,144,START:Ends:5552236-5552593-5557076-
 ID=NCLIV_036990 - 1 A..ATG
 5567670,5569871,2202
 ID=NCLIV_037020 - 10 CCAATGG
 5597085,5597159,75,OVER:Starts:5596770-5596779-5596674-
 5597452,5597551,100,EXACT,AG-GT
 5597880,5597932,53,EXACT,AG-GT
 5598147,5598227,81,START: end 135 AG-GT
 5598861,5598933,73
 5599372,5599492,121
 5599841,5599995,155,EXACT,AG-GT
 5600637,5600808,172,END: start 72 AG-GC
 5600929,5601505,577,EXACT,AG-GT
 5601677,5602849,1173,START:Ends:5603952-5604265-
 ID=NCLIV_037060 - 4 A..ATG
 5638485,5639270,786,END:Starts:5638163-5638123-5638157-
 5639695,5639961,267,EXACT,AG-GT
 5640198,5640554,357,EXACT,AG-GT
 5641154,5641480,327,START:Ends:5643902-5642200-5642284-
 ID=NCLIV_037090 - 6 G..ATGG

5666275,5668191,1917,END:Starts:5666292-5666479-
 5668463,5668512,50,EXACT,AG-GT
 5668739,5668862,124,EXACT,ATG:AG-GT
 5669189,5669220,32,START: end 359 GT
 5669332,5669579,248,END: start -143 GT
 5669854,5669951,98
 ID=NCLIV_037110 - 9 A..ATG
 5684938,5685414,477,END:Starts:5684268-5684319-5684286-
 5685932,5686057,126,EXACT,AG-GT
 5686471,5686538,68,EXACT,AG-GT
 5687072,5688089,1018,EXACT,GT
 5688427,5688771,345,EXACT,AG
 5689011,5691309,2299,START: end -2246 GT
 5691492,5698939,7448
 5699435,5701225,1791
 5701937,5702392,456
 ID=NCLIV_037140 - 3 A..ATG
 5713167,5713271,105,OVER:Starts:5712758-5712757-5712512-
 5714044,5714393,350,EXACT,AG-GT
 5714738,5715761,1024,START:Ends:5717132-5716465-5714856-
 ID=NCLIV_037150 - 10 A..ATG
 5718415,5718495,81,END:Starts:5718329-5718304-5718287-
 5718908,5718999,92,EXACT,AG-GT
 5719163,5719256,94,START: end 1 GT
 5719556,5719678,123,END: start -131 Info:AG-GC-donor=CC-AG-GT- (ref:AC-GT)<< Possible
 error
 5720104,5720186,83,EXACT,AG-GT
 5720664,5720760,97,EXACT,AG-GT
 5721094,5721228,135,EXACT,AG-GT
 5721497,5721660,164,EXACT,AG-GT
 5722110,5722170,61,EXACT,AG-GT
 5722786,5722890,105,START:Ends:5723999-5723976-5723989-
 ID=NCLIV_037180 - 14 A..ATG
 5742133,5742192,60,END:Starts:5741516-5741538-5741527-
 5742610,5742783,174,EXACT,AG-GT
 5743234,5743302,69,EXACT,AG-GT
 5743748,5743909,162,EXACT,AG-GT
 5744134,5744241,108,EXACT,AG-GT
 5744345,5744518,174,EXACT,AG-GT
 5744796,5744949,154,EXACT,AG-GT
 5745561,5745761,201,EXACT,AG-GT
 5746171,5746272,102,EXACT,AG-GT
 5746580,5746665,86,EXACT,AG-GT
 5746928,5747030,103,EXACT,AG-GT
 5747458,5747578,121,EXACT,AG-GT
 5748124,5748326,203,EXACT,AG-GT
 5748815,5749155,341,START:EXACT
 ID=NCLIV_037190 - 2 GCAATGA
 5752362,5753085,724,END:Starts:5751416-5751517-
 5753594,5755956,2363,START:Ends:5756310-5754582-
 ID=NCLIV_037200 - 12 CGAATGG
 5758518,5758582,65,END:Starts:5757486-5757605-5757538-
 5758937,5759079,143,START: end 558 AG-GT (ref:AC-GT)<< Possible error
 5759492,5759637,146,END: start -555 AG-GT (ref:AC-GT)<< Possible error
 5760053,5760166,114,EXACT,AG-GT
 5760403,5760463,61,EXACT,AG-GT
 5760862,5761092,231,EXACT,AG-GT
 5761271,5761350,80,EXACT,AG-GT
 5761750,5762079,330,EXACT,AG-GT
 5762447,5762765,319,EXACT,AG-GT

5763004,5763086,83,EXACT,ATG:AG-GT
5763310,5763487,178,EXACT,AG-GT
5763825,5770024,6200,START:Ends:5768784-5768785-5768813-
ID=NCLIV_037210 - 5 [CT]..ATG[ACT]
5773408,5773515,108,END:Starts:5773076-5773025-5773014-
5773733,5774005,273,EXACT,AG-GT
5774478,5774580,103,EXACT,AG-GT
5775135,5775608,474,START: end 19 AG-GT
5775853,5775947,95,OVER:Ends:5775937-5776761-
ID=NCLIV_037230 - 6 A..ATG
5779363,5779554,192
5779613,5779680,68
5779780,5779956,177
5780013,5780069,57
5780312,5780362,51
5781210,5782353,1144
ID=NCLIV_037240 - 9 A..ATG
5785497,5785693,197,OVER:Starts:5785359-5785338-5785972-
5785973,5786066,94,END: start -614 AG (ref:AC-GT)<< Possible error
5786271,5786351,81,EXACT,AG-GT
5786626,5786727,102,EXACT,AG-GT
5786954,5787033,80,EXACT,AG-GT
5787245,5787339,95,EXACT,AG-GT
5787750,5787850,101,EXACT,AG-GT
5788224,5788339,116,EXACT,AG-GT
5788934,5789096,163,OVER:Ends:5790221-5790207-
ID=NCLIV_037260 - 1 [CT]..ATG[ACT]
5793755,5795086,1332
ID=NCLIV_037270 - 5 A..ATG
5797974,5798215,242
5798385,5798525,141
5798742,5798972,231
5799164,5799427,264
5799579,5799795,217
ID=NCLIV_037280 - 4 A..ATG
5801572,5802328,757
5802597,5802759,163
5803011,5803176,166
5803803,5804042,240
ID=NCLIV_037320 - 31 A..ATG
5848154,5848243,90
5848503,5848598,96
5849076,5849158,83,END: start -3 AG
5849641,5849707,67,EXACT,AG-GT
5850775,5850821,47,EXACT,AG-GT
5851293,5851508,216,START: end 44 GT
5852153,5852246,94,END: start -45 AG
5852549,5852614,66,EXACT,AG-GT
5853120,5853298,179,EXACT,AG-GT
5853678,5853787,110,EXACT,GT
5854198,5854265,68
5854679,5854755,77
5855604,5855781,178
5856425,5856685,261
5857063,5857215,153
5857877,5857944,68
5858545,5858815,271
5859334,5859416,83
5859836,5860114,279
5860874,5861050,177

5861565,5861689,125
 5862154,5862207,54
 5862809,5863149,341
 5863627,5863845,219
 5864739,5864878,140
 5865475,5865523,49
 5866109,5866287,179
 5866900,5866952,53
 5867546,5867742,197
 5868421,5868495,75
 5869088,5869156,69
 ID=NCLIV_037360 - 2 A..ATG
 5897939,5899021,1083
 5899446,5902187,2742
 ID=NCLIV_037370 - 2 [CT]..ATG[ACT]
 5908630,5909024,395,END:Starts:5907808-5907535-5906545-
 5909448,5909466,19,START:Ends:5910359-5910408-5910364-
 ID=NCLIV_037390 - 8 CTCATGG
 5915923,5916223,301,END:Starts:5910560-5915177-5911798-
 5916979,5917050,72,EXACT,AG-GT
 5917343,5917447,105,EXACT,AG-GT
 5917913,5918001,89,EXACT,AG-GT
 5918259,5918365,107,END: start -21 AG-GC (ref:AC-GT)<< Possible error
 5918613,5918758,146,EXACT,ATG:AG-GT
 5918983,5919247,265,EXACT,AG-GT
 5919554,5919620,67,START:Ends:5919865-5920454-
 ID=NCLIV_037400 - 6 A..ATG
 5922358,5922738,381,END:Starts:5921885-5921728-5921760-
 5923084,5923458,375,EXACT,AG-GT
 5923817,5924020,204,EXACT,AG-GT
 5924778,5924865,88,EXACT,AG-GT
 5925227,5925498,272,EXACT,AG-GT
 5926056,5926415,360,START:Ends:5926527-5926521-5926528-
 ID=NCLIV_037410 - 6 A..ATG
 5930458,5930618,161
 5931234,5931342,109
 5931770,5931922,153
 5932486,5932609,124
 5933134,5933243,110
 5933609,5933782,174
 ID=NCLIV_037420 - 1 [CT]..ATG[ACT]
 5935980,5937752,1773
 ID=NCLIV_037450 - 2 GCCATGC
 5954837,5954962,126,END:Starts:5954688-5954695-5954629-
 5955787,5958291,2505,START:Ends:5960139-5960129-5960171-
 ID=NCLIV_037470 - 6 [CT]..ATG[ACT]
 5969585,5969619,35,END:Starts:5969013-5969014-5969011-
 5970276,5970776,501,START: end 393 GT
 5971454,5971789,336
 5972304,5972691,388
 5974149,5974260,112
 5974979,5975082,104
 ID=NCLIV_037490 - 2 A..ATG
 5983230,5984524,1295,END:Starts:5982683-5981834-
 5985060,5985099,40,START:Ends:5985463-5985520-
 ID=NCLIV_037500 - 2 A..ATG
 5986548,5987842,1295,END:Starts:5986232-5986161-5986144-
 5988440,5988572,133,START:Ends:5988623-5988651-5988659-
 ID=NCLIV_0375- 6 A..ATG
 5990653,5990800,148,END:Starts:5990079-5990088-5990083-

5990987,5991207,221,EXACT,AG-GT
5991628,5991831,204,EXACT,AG-GT
5992161,5992253,93,EXACT,AG-GT
5992807,5992962,156,EXACT,AG-GT
5993360,5994226,867,START:Ends:5994853-5995206-
ID=NCLIV_037540 - 5 A..ATG
6013478,6013846,369,END:Starts:6008425-6012745-6012416-
6014212,6014359,148,EXACT,AG-GT
6014770,6014938,169,EXACT,AG-GT
6015358,6015451,94,EXACT,ATG:AG-GT
6015745,6015927,183,START:Ends:6015973-6015969-6015968-
ID=NCLIV_037550 - 1 [CT]..ATG[ACT]
6021203,6022906,1704
ID=NCLIV_037570 - 7 A..ATG
6028891,6029091,201,END:Starts:6028638-6028595-6028584-
6029613,6030362,750,START: end 3 GT
6030629,6031048,420,EXACT,AG-GT
6031279,6033519,2241,START: end 244 GT
6034143,6037592,3450,START: end -3231 GT
6038108,6046873,8766,WITHIN: start 20 and end -7576 GC
6047537,6053137,5601
ID=NCLIV_037580 - 6 GCAATGT
6055612,6056300,689,OVER:Starts:6055328-6055313-6055273-
6056820,6057309,490,EXACT,AG-GT
6057758,6057955,198,EXACT,AG-GT
6058405,6058472,68,EXACT,AG-GT
6058734,6058914,181,START: end 289 AG-GT
6059544,6060371,828
ID=NCLIV_037590 - 2 A..ATG
6063320,6063616,297,END:EXACT
6064152,6064487,336,START:Ends:6065378-6065246-6065282-
ID=NCLIV_037610 - 4 GAGATGC
6070247,6070310,64,END:Starts:6069635-6069614-6069546-
6070988,6071094,107,EXACT,AG-GT
6071444,6071558,115,EXACT,AG-GT
6071939,6072207,269,START:EXACT
ID=NCLIV_0376- 16 TCCATGG
6079736,6079804,69,END:Starts:6077097-6076902-6077149-
6080376,6080465,90,EXACT,AG-GT
6080925,6081021,97,EXACT,AG-GT
6081172,6081334,163,EXACT,AG-GT
6082019,6082103,85,EXACT,AG-GT
6082696,6082942,247,START: end 714 AG-GT
6083259,6083373,115,OVER: start -563 and end 283 AG-GT
6083835,6084542,708
6084899,6085540,642
6085700,6086701,1002,EXACT,Info:AG-GT-donor=CA-AG-GC-
6087371,6087722,352,EXACT,AG-GT
6088122,6088753,632
6089170,6089455,286
6089935,6090144,210
6090515,6090948,434
6091300,6091381,82
ID=NCLIV_037650 - 7 A..ATG
6093369,6093632,264
6093688,6093741,54
6093800,6093832,33
6093892,6093924,33
6093982,6094104,123
6094166,6094189,24

6094247,6094363,117
ID=NCLIV_037660 - 4 G..ATGG
6096708,6096967,260,END:Ends:6096967-6096972-6096966-
6097154,6097297,144,EXACT,AG-GT
6097570,6097720,151,START: end 3 AG-GT
6098012,6098767,756

ID=NCLIV_037670 - 1 A..ATG
6102307,6104844,2538

ID=NCLIV_037690 - 2 A..ATG
6107623,6107839,217,END:Starts:6107472-6107477-6107445-
6107942,6108033,92,START:EXACT

ID=NCLIV_037710 - 15 A..ATG
6113993,6114149,157
6114405,6114532,128,EXACT,AG-GT
6114806,6114879,74,EXACT,AG-GT
6115432,6115573,142,EXACT,AG-GT
6115899,6116039,141,EXACT,AG-GT
6116504,6116712,209,EXACT,AG-GT
6117148,6117223,76,EXACT,AG-GT
6117666,6117774,109
6118498,6118568,71,EXACT,ATG:AG-GT
6118994,6119355,362,START: end -294 AG-GT (ref:AC-GT)<< Possible error
6119443,6119500,58,EXACT,AG-GT
6119819,6119956,138,EXACT,AG-GT
6120460,6120547,88,EXACT,AG-GT
6120649,6120758,110,EXACT,AG-GT
6120903,6121118,216,START:EXACT

ID=NCLIV_037730 - 18 A..ATG
6124572,6124580,9
6124645,6124686,42
6124738,6124801,64
6124862,6124928,67
6124983,6125034,52
6125092,6125166,75
6125238,6125324,87
6125385,6125437,53
6125492,6125546,55
6125606,6125644,39
6125703,6125747,45
6125809,6125837,29
6125892,6125998,107
6126063,6126175,113
6126233,6126313,81
6126371,6126433,63
6126488,6126574,87
6126630,6126707,78

ID=NCLIV_037740 - 4 GAGATGT
6127690,6127733,44,END:Starts:6127141-6127280-6127203-
6128137,6128217,81,EXACT,AG-GT
6128340,6128400,61,START: end 3 GT
6128884,6129060,177,OVER:Ends:6129821-6129411-6129620-

ID=NCLIV_037760 - 9 CGAATGG
6141082,6141288,207,END:Starts:6140574-6140512-6140502-
6141776,6141948,173,EXACT,AG-GT
6142427,6142643,217,EXACT,AG-GT
6142913,6142971,59,EXACT,AG-GT
6143353,6143503,151,EXACT,AG-GT
6143691,6144105,415,EXACT,AG-GT
6144321,6144547,227,EXACT,GT
6144878,6145236,359,END: start 7 Info:donor=GA-AG-GT-AG-GC- (ref:AC-GT)<< Possible error

6145614,6145746,133,START:EXACT
ID=NCLIV_037770 - 7 A..ATG
6149997,6150161,165,END:Starts:6149413-6149141-
6150904,6151020,117,EXACT,AG-GT
6151452,6151580,129,START: end -6 AG-GT (ref:AC-GT)<< Possible error
6152110,6152436,327,EXACT,AG-GT
6153058,6153287,230,EXACT,AG-GT
6153480,6153726,247,EXACT,AG-GT
6154495,6154710,216,START:Ends:6155545-6155746-6155558-
ID=NCLIV_037780 - 8 A..ATG
6159962,6160037,76,END:EXACT
6160488,6160566,79,EXACT,AG-GT
6161209,6161287,79,EXACT,AG-GT
6161890,6162329,440,EXACT,AG-GT
6162599,6162679,81,EXACT,AG-GT
6162972,6163119,148,EXACT,AG-GT
6163552,6163647,96,EXACT,AG-GT
6164308,6164466,159,START:Ends:6165059-6165088-
ID=NCLIV_037810 - 8 [CT]..ATG[ACT]
6191323,6191355,33
6191850,6191930,81
6192076,6192231,156
6192409,6192549,141
6193558,6193630,73
6194114,6194200,87
6194686,6194838,153
6195201,6195505,305,WITHIN:Starts:6195239-6195213-
ID=NCLIV_037830 - 3 A..ATG
6204047,6209283,5237,END:Starts:6208426-6206225-
6209672,6209918,247,START: end -61 AG-GT
6211007,6213088,2082,START:Ends:6212291-6213852-
ID=NCLIV_037840 - 25 A..ATG
6219399,6219500,102,END:EXACT
6219779,6221099,1321,EXACT,AG-GT
6221616,6222461,846,EXACT,AG-GT
6223220,6223608,389,EXACT,AG-GT
6223996,6224161,166,EXACT,AG-GT
6224478,6224772,295,EXACT,AG-GT
6225129,6225390,262,EXACT,AG-GT
6225912,6226249,338,EXACT,AG-GT
6226766,6226871,106,EXACT,AG-GT
6227115,6227270,156,EXACT,AG-GT
6227502,6227735,234,EXACT,AG-GT
6228072,6228242,171,EXACT,AG-GT
6228674,6228869,196,EXACT,AG-GT
6229179,6230509,1331,EXACT,AG-GT
6231055,6233816,2762,EXACT,AG-GT
6234290,6237933,3644,EXACT,AG-GT
6238309,6238910,602,EXACT,AG-GT
6239458,6240130,673,END: start 5 AG (ref:AC-GT)<< Possible error
6240314,6240750,437,EXACT,AG-GT
6241125,6243230,2106,EXACT,AG-GT
6243527,6247315,3789,EXACT,AG-GT
6247549,6250167,2619,EXACT,AG-GT
6250532,6251819,1288,START: end -4 GT
6252109,6252587,479,END: start 27 AG (ref:AC-GT)<< Possible error
6253056,6254549,1494,START:Ends:6253998-6255603-6255564-
ID=NCLIV_037850 - 1 GATATGA
6260717,6262264,1548
ID=NCLIV_0378- 1 A..ATG

6262726,6264309,1584
ID=NCLIV_037900 - 6 A..ATG
6290968,6291246,279
6291452,6291762,311
6292262,6292554,293
6292846,6293018,173
6293351,6293802,452
6294433,6294550,118
ID=NCLIV_037910 - 16 TCGATGG
6299644,6299703,60,END:Starts:6298610-6298624-6298773-
6300090,6300145,56,EXACT,AG-GT
6300348,6300492,145,EXACT,AG-GT
6300919,6301020,102,EXACT,AG-GT
6301341,6301396,56,EXACT,AG-GT
6301624,6301684,61,EXACT,TAG|TGA|TAA:AG-GT
6301882,6301949,68,EXACT,AG-GT
6302075,6302157,83,EXACT,AG-GT
6302570,6302630,61,EXACT,AG-GT
6302911,6303055,145,EXACT,TAG|TGA|TAA:AG-GT
6303481,6303521,41,EXACT,AG-GT
6303965,6304071,107,EXACT,AG-GT
6304704,6304876,173,END: start 39 AG-GC
6305309,6305395,87,START: end 881 GT
6306031,6306276,246,END: start -722 GT
6306807,6307016,210,START:Ends:6307840-6308624-
ID=NCLIV_037920 - 10 A..ATG
6310385,6311349,965,END:Starts:6309769-6309652-
6311824,6312182,359,EXACT,AG-GT
6312654,6312709,56,EXACT,AG-GT
6313008,6313067,60,EXACT,AG-GT
6313397,6313527,131,EXACT,AG-GT
6316412,6316526,115,END: start -566 AG (ref:AC-GT)<< Possible error
6316935,6316989,55,EXACT,AG-GT
6317783,6317865,83,START: end 87 GT
6318188,6318288,101,EXACT,AG-GT
6318729,6320826,2098,START:Ends:6321313-6319619-6320816-
ID=NCLIV_037940 - 13 [CT]..ATG[ACT]
6325902,6326324,423,END:Starts:6325383-6325439-6325320-
6326787,6326942,156,WITHIN: start 12 and end -6 AG-GT
6327239,6327428,190,EXACT,AG
6327588,6327697,110,EXACT,AG-GT
6328380,6328518,139,EXACT,AG-GT
6328913,6328996,84,EXACT,GT
6329560,6329639,80
6330092,6330176,85
6330884,6331119,236
6331587,6331674,88
6332052,6332248,197
6332921,6333075,155
6333426,6333444,19
ID=NCLIV_037960 - 3 G..ATGG
6340075,6345147,5073
6345504,6345932,429
6347006,6347662,657
ID=NCLIV_037970 - 6 A..ATG
6351470,6351667,198,END:Starts:6350486-6350369-6350221-
6352483,6352974,492,START: end 3647 GT
6353566,6355500,1935,OVER: start -1083 and end 1121 GT
6355714,6355961,248,OVER: start -3231 and end 660 GT
6356502,6356589,88,OVER: start -4019 and end 32 GT

6356987,6357061,75
 ID=NCLIV_037990 - 8 GCGATGA
 6369669,6370376,708
 6371006,6371052,47,END: start -872 AG-GT
 6371517,6371650,134,EXACT,AG-GT
 6372286,6372425,140,EXACT,GT
 6372785,6372917,133,EXACT,AG
 6373544,6373695,152,START: end -33 GT
 6374094,6374216,123,END: start -168 AG
 6374672,6374761,90,START:Ends:6375025-6375031-
 ID=NCLIV_038010 - 2 [CT]..ATG[ACT]
 6386642,6387853,1212
 6389681,6389740,60,OVER:Ends:6392901-6392911-
 ID=NCLIV_038040 - 3 GCGATGT
 6433092,6434184,1093
 6434633,6443846,9214
 6444123,6445761,1639
 ID=NCLIV_038050 - 13 G..ATGG
 6449843,6449905,63
 6450190,6450270,81
 6451371,6451453,83
 6452151,6452198,48
 6452724,6452821,98
 6453259,6453375,117
 6453735,6453802,68
 6454380,6454485,106
 6454942,6455030,89
 6455463,6455529,67
 6456102,6456619,518
 6456919,6458582,1664
 6459171,6459846,676
 ID=NCLIV_038100 - 1 A..ATG
 6487905,6488960,1056
 ID=NCLIV_038110 - 1 A..ATG
 6492016,6493071,1056
 ID=NCLIV_038120 - 1 A..ATG
 6496109,6497164,1056
 ID=NCLIV_038130 - 1 [CT]..ATG[ACT]
 6498847,6501660,2814
 ID=NCLIV_038150 - 5 A..ATG
 6514167,6514287,121
 6514678,6514794,117
 6515533,6515618,86
 6516278,6516466,189
 6516922,6517149,228
 ID=NCLIV_038160 - 4 A..ATG
 6522202,6522264,63,END:Starts:6521819-6521789-6521813-
 6522725,6522883,159,EXACT,AG-GT
 6523293,6523340,48,EXACT,AG-GT
 6523988,6523996,9,START:Ends:6524179-6524128-6524181-
 ID=NCLIV_038180 - 12 A..ATG
 6533461,6533530,70,END:Starts:6532721-6532808-6532723-
 6533836,6533888,53,EXACT,AG-GT
 6534117,6534271,155,EXACT,AG-GT
 6534985,6535132,148,EXACT,AG-GT
 6535358,6535505,148,START: end -17 GT
 6535725,6535786,62,END: start 5 AG
 6535943,6536023,81,EXACT,AG-GT
 6536173,6536233,61,EXACT,AG-GT
 6536598,6536823,226,START: end 72 GT

6537162,6537303,142,END: start -2 AG (ref:AC-GT)<< Possible error
6537785,6538096,312,EXACT,AG-GT
6538611,6538925,315,START:Ends:6539428-6539486-
ID=NCLIV_038190 - 1 A..ATG
6541443,6542222,780
ID=NCLIV_038220 - 5 GGCATGA
6559506,6559658,153,END:EXACT
6560123,6560274,152,EXACT,AG-GT
6560591,6560748,158,EXACT,AG-GT
6561049,6561447,399,EXACT,AG-GT
6562030,6562127,98,START:EXACT
ID=NCLIV_038230 - 5 [CT]..ATG[ACT]
6567951,6567981,31,END:Starts:6566323-6566366-
6568286,6572535,4250,EXACT,Code:INTERNAL-
6572857,6572963,107,EXACT,AG-GT
6573094,6574594,1501,START: end -9 AG-GT
6575265,6576362,1098
ID=NCLIV_038240 - 15 G..ATGG
6582030,6582147,118,END:EXACT
6582878,6583066,189,EXACT,AG-GT
6583230,6583325,96,EXACT,AG-GT
6583628,6583718,91,EXACT,AG-GT
6584083,6584192,110,EXACT,AG-GT
6584786,6584872,87,EXACT,AG-GT
6585129,6585211,83,START: end 3 GT
6585542,6585609,68,EXACT,Info:AG-GC-AG-GT-
6585950,6586021,72,START: end 734 AG-GT (ref:AC-GT)<< Possible error
6586490,6586755,266,END: start -540 AG-GT (ref:AC-GT)<< Possible error
6587294,6587357,64,EXACT,AG-GT
6587727,6587884,158,EXACT,AG-GT
6588216,6589258,1043,EXACT,AG-GT
6589797,6590301,505,EXACT,AG-GT
6590846,6590967,122,START:Ends:6591987-6591639-6592003-
ID=NCLIV_038250 - 1 A..ATG
6594490,6597342,2853
ID=NCLIV_038260 - 11 A..ATG
6599459,6599536,78,END:Starts:6599157-6598901-6598641-
6600065,6600133,69,EXACT,AG-GT
6600426,6600505,80,EXACT,AG-GT
6600891,6601044,154,EXACT,AG-GT
6601437,6601467,31,EXACT,AG-GT
6601602,6601704,103,EXACT,AG-GT
6602262,6602330,69,EXACT,AG-GT
6602976,6603039,64,START: end -9 GT
6603699,6603819,121
6604303,6604372,70
6604927,6605551,625
ID=NCLIV_038280 - 6 A..ATG
6611883,6613663,1781,END:Starts:6611355-6611363-6611339-
6614328,6614382,55,START: end 1 GT
6614640,6614745,106,EXACT,AG-GT
6615463,6615578,116,START: end 96 GT
6615992,6616036,45
6616500,6618188,1689
ID=NCLIV_038290 - 9 A..ATG
6621744,6621779,36
6622233,6622311,79
6622836,6622920,85
6623370,6623402,33
6623857,6623869,13

6624281,6624326,46
 6624753,6624808,56,END: start -203 AG
 6625369,6625420,52,EXACT,AG-GT
 6625894,6626801,908,START:Ends:6628180-6630588-

CHROMOSOME IX – FORWARD

ID=NCLIV_038310 + 1 A..ATG
 1614,1691,78
 ID=NCLIV_038330 + 1 A..ATG
 23673,25106,1434
 ID=NCLIV_038360 + 1 A..ATG
 31857,35864,4008
 ID=NCLIV_038370 + 2 A..ATG
 39061,39860,800,END:Starts:38749-38810-39536-
 40182,40395,214,START:EXACT
 ID=NCLIV_038380 + 2 A..ATG
 46393,46591,199,END:EXACT
 46641,46948,308,WITHIN:EXACT
 ID=NCLIV_038390 + 4 A..ATG
 55615,55703,89,END:Starts:55389-55370-55574-
 56067,56127,61,EXACT,AG-GT
 56596,56724,129,EXACT,AG-GT
 57060,57119,60,START:Ends:57670-58330-59691-
 ID=NCLIV_038410 + 9 A..ATG
 69167,69380,214,END:Starts:67208-68296-68265-
 70060,70130,71,EXACT,AG-GT
 70351,70425,75,EXACT,AG-GT
 71121,71291,171,EXACT,AG-GT
 71458,71579,122,EXACT,AG-GT
 71930,72046,117,EXACT,AG-GT
 72608,72682,75,EXACT,AG-GT
 72872,72906,35,EXACT,AG-GT
 73203,73285,83,START:Ends:73566-73598-73238-
 ID=NCLIV_038420 + 6 GAGATGC
 76973,77102,130,END:Starts:76628-76629-
 77318,77527,210,EXACT,AG-GT
 78028,78164,137,EXACT,AG-GT
 78705,78918,214,START: end 951 AG-GT (ref:AG-GT)<< Possible error
 79792,79869,78,END: start -1087 AG-GT (ref:AG-GT)<< Possible error
 80327,80394,68,START:EXACT
 ID=NCLIV_038430 + 5 A..ATG
 83303,84440,1138,END:Starts:82130-82814-82853-
 84671,84786,116,EXACT,AG-GT
 85184,85247,64,EXACT,AG-GT
 85469,85680,212,END: start 45 AG-GT (ref:AG-GT)<< Possible error
 85981,86109,129,START:Ends:86994-87134-86132-
 ID=NCLIV_038460 + 7 GAGATGC
 110317,110850,534,END:Starts:109642-109731-109746-
 111084,111257,174,EXACT,AG-GT
 111377,111571,195,EXACT,AG-GT
 111741,111976,236,EXACT,AG-GT
 112272,112335,64,EXACT,AG-GT
 112769,112827,59,EXACT,AG
 113305,113431,127
 ID=NCLIV_038480 + 2 GATATGA
 138548,138628,81,END:Starts:136460-136600-136610-
 139046,139360,315
 ID=NCLIV_038500 + 6 GAAATGC
 155489,155637,149
 156165,160083,3919

160537,161146,610
161387,161707,321
162039,162288,250
162602,167795,5194
ID=NCLIV_038520 + 8 A..ATG
174994,175143,150
176067,176140,74
176790,176857,68
177153,177253,101
177745,177924,180
178496,178625,130
179217,179253,37
179640,179739,100
ID=NCLIV_038540 + 6 A..ATG
184437,184668,232,END:Starts:182822-182811-183214-
185082,185190,109,EXACT,AG-GT
185514,185629,116,EXACT,AG-GT
186174,186226,53,EXACT,AG-GT
186584,186677,94,EXACT,AG-GT
187089,187210,122,START:Ends:187776-187901-190288-
ID=NCLIV_038550 + 16 A..ATG
190079,190288,210
190670,190918,249,EXACT,GT
191240,191337,98,EXACT,AG-GT
191969,192100,132,EXACT,AG-GT
192631,192790,160,EXACT,AG-GT
193313,193486,174,EXACT,ATG:AG-GT
193932,194023,92,EXACT,AG-GT
194452,194517,66,EXACT,AG-GT
195124,195235,112,EXACT,AG-GT
195543,195695,153,EXACT,AG-GT
195992,196229,238,EXACT,AG-GT
196856,196926,71,EXACT,AG-GT
198278,198402,125,EXACT,AG-GT
198674,198777,104,EXACT,AG-GT
199094,199166,73,EXACT,AG-GT
199420,199507,88,START:Ends:200273-200139-
ID=NCLIV_038570 + 15 A..ATG
225277,225307,31,END:Starts:224600-224411-
226011,226095,85,EXACT,AG-GT
226658,226742,85,EXACT,AG-GT
227462,227584,123,EXACT,AG-GT
228135,228254,120,EXACT,AG-GT
228793,228871,79,EXACT,AG-GT
229027,229242,216,EXACT,AG-GT
229838,229920,83,EXACT,AG-GT
230345,230566,222,EXACT,AG-GT
230902,231016,115,EXACT,AG-GT
231296,231350,55,EXACT,AG-GT
231639,231694,56,EXACT,AG-GT
232003,232067,65,EXACT,AG-GT
232834,232956,123,EXACT,AG-GT
233194,233214,21,START:Ends:234731-234841-234790-
ID=NCLIV_038590 + 15 A..ATG
247612,247977,366,END:EXACT
248279,248587,309,EXACT,AG-GT
249308,249575,268,EXACT,AG-GT
249885,250206,322,EXACT,AG-GT
250679,250750,72
251070,251247,178,EXACT,AG-GT

251566,251730,165,EXACT,AG-GT
 252677,252850,174,EXACT,AG-GT
 253389,253451,63,START: end -10 AG
 253841,253993,153,END: start -289 GT
 254621,254700,80,EXACT,AG-GT
 255453,255612,160,EXACT,AG-GT
 255935,255992,58,EXACT,AG-GT
 256336,256436,101,EXACT,AG-GT
 256872,257033,162,START:Ends:259995-259325-
 ID=NCLIV_038600 + 3 A..ATG
 262127,262334,208,END:Starts:260082-259855-
 262755,265301,2547,EXACT,AG-GT
 265700,266127,428,START:Starts:265700-
 ID=NCLIV_038620 + 4 [CT]..ATG[ACT]
 280884,280923,40
 282857,283059,203
 283799,285808,2010
 286573,286977,405
 ID=NCLIV_038630 + 10 A..ATG
 289712,289802,91,END:Starts:288487-288618-
 290166,290356,191,START: end -2 AG
 290753,290883,131,END: start 1 GT
 291453,291552,100,EXACT,AG-GT
 291853,291987,135,EXACT,AG-GT
 292556,292714,159,EXACT,AG-GT
 293025,293147,123,WITHIN: start 36 and end -41 AG
 293552,293696,145,END: start -3 GT (ref:AG-GT)<< Possible error
 294110,294181,72,EXACT,AG-GT
 294801,294844,44,START:Ends:295308-295479-299674-
 ID=NCLIV_038660 + 2 A..ATG
 310861,311146,286,OVER:Starts:309955-310804-
 312146,312303,158,START:Ends:312662-312649-
 ID=NCLIV_038680 + 5 A..ATG
 318401,318517,117,END:Starts:317851-317798-317916-
 318766,318871,106,EXACT,AG-GT
 319057,319160,104,EXACT,AG-GT
 319274,319369,96,EXACT,AG-GT
 319505,319774,270,START:Ends:320242-320319-320329-
 ID=NCLIV_038690 + 7 A..ATG
 320918,320998,81
 321062,321170,109
 321233,321432,200
 322506,322601,96
 323012,323109,98
 323171,323289,119
 323346,323401,56
 ID=NCLIV_038710 + 3 G..ATGG
 333026,333070,45,OVER:EXACT
 333210,333389,180,END: start 5 GT (ref:AG-GT)<< Possible error
 333574,333750,177,START:EXACT
 ID=NCLIV_038720 + 3 GACATGA
 336276,336347,72
 336555,336955,401
 337276,339829,2554
 ID=NCLIV_038730 + 23 A..ATG
 343897,344098,202,END:Starts:342567-342572-342859-
 344486,344623,138,EXACT,AG-GT
 345077,345159,83,EXACT,AG-GT
 345497,345557,61,EXACT,AG-GT
 346224,346322,99,EXACT,AG-GT

346435,346561,127,EXACT,AG-GT
346990,347087,98,EXACT,AG
347460,347572,113,END: start -72 GT (ref:AG-GT)<< Possible error
347964,348020,57,EXACT,AG-GT
348628,348754,127,EXACT,AG-GT
348996,349105,110,EXACT,AG-GT
349671,349794,124,EXACT,AG-GT
350278,350321,44,EXACT,AG-GT
350795,350893,99,EXACT,AG-GT
351403,351454,52,EXACT,AG-GT
351783,351911,129,EXACT,AG-GT
352469,352615,147,END: start -132 AG-GT (ref:AG-GT)<< Possible error
352874,352984,111,EXACT,AG-GT
353416,353523,108,EXACT,AG-GT
354079,354229,151,EXACT,AG-GT
354579,354649,71,EXACT,AG-GT
354809,354862,54,EXACT,AG-GT
355369,355505,137,START:Ends:355970-355983-355478-
ID=NCLIV_038750 + 9 A..ATG
363522,363645,124,END:Starts:363338-363347-363352-
364594,364706,113,EXACT,AG-GT
365188,365389,202,EXACT,AG-GT
365914,366032,119,EXACT,AG-GT
366386,366508,123,EXACT,AG-GT
366928,367087,160,EXACT,AG-GT
367609,367710,102,EXACT,AG-GT
368257,368456,200,EXACT,AG-GT
368783,368902,120,START:Ends:369351-369393-370896-
ID=NCLIV_038790 + 8 [CT]..ATG[ACT]
383500,383808,309,END:Starts:383317-381230-
383953,384148,196,EXACT,AG-GT
384591,384709,119,EXACT,AG-GT
385039,385138,100,EXACT,AG-GT
385274,385357,84,EXACT,AG-GT
385637,385744,108,EXACT,AG-GT
385860,385906,47,EXACT,AG-GT
386163,386240,78,START:Ends:387110-386194-
ID=NCLIV_038810 + 9 CTGATGG
390215,390492,278,END:Starts:389615-389606-
391334,391409,76,EXACT,AG-GT
392017,392453,437,START: end -9 AG-GC
392865,393178,314,START: end -49 AG
393727,394066,340,END: start 58 GT
394369,394600,232,EXACT,AG-GT
394903,399878,4976,EXACT,AG-GT
400769,401670,902,EXACT,AG-GT
402166,402212,47,START:Ends:402932-402900-402819-
ID=NCLIV_038820 + 5 CCAATGG
405240,405800,561
406402,406603,202
407130,408407,1278
408972,409046,75
409364,411561,2198
ID=NCLIV_038850 + 8 GCTATGA
418677,418944,268,END:Starts:418207-418209-
419499,419721,223,EXACT,AG-GT
420284,420428,145,EXACT,AG-GT
420853,421008,156,EXACT,AG-GT
421355,421751,397,EXACT,AG-GT
421953,422237,285,EXACT,AG-GT

422473,422738,266,EXACT,AG-GT
 423014,423103,90,START:Ends:423874-423908-423901-
 ID=NCLIV_038890 + 5 GCCATGA
 453317,455610,2294,END:Starts:450741-454545-450749-
 455827,455929,103,EXACT,AG-GT
 456410,456819,410,EXACT,AG-GT
 457104,457252,149,EXACT,AG-GT
 457549,458210,662,START:Ends:460478-459005-460631-
 ID=NCLIV_038960 + 1 G..ATGG
 485939,487102,1164
 ID=NCLIV_038970 + 1 G..ATGG
 489838,491004,1167
 ID=NCLIV_038990 + 1 A..ATG
 510496,512064,1569
 ID=NCLIV_039000 + 11 G..ATGG
 514919,514967,49,END:Starts:514410-514538-514579-
 515516,515629,114,EXACT,AG-GT
 515975,516051,77,EXACT,AG-GT
 516376,516423,48,EXACT,AG-GT
 516574,516759,186,EXACT,AG-GT
 517044,517163,120,EXACT,AG-GT
 517625,517730,106,EXACT,AG-GT
 517884,518073,190,EXACT,AG-GT
 518466,518682,217,EXACT,AG-GT
 518801,518890,90,EXACT,AG-GT
 519070,519204,135,START:Ends:519567-519642-519526-
 ID=NCLIV_039030 + 3 A..ATG
 523181,523252,72,END:Starts:523012-523015-523099-
 524209,524273,65,EXACT,AG-GT
 524807,525074,268,START:EXACT
 ID=NCLIV_039040 + 4 A..ATG
 526630,526670,41,END:Starts:526203-526279-
 527383,527484,102,EXACT,AG-GT
 527771,527834,64,EXACT,AG-GT
 528512,529231,720,START:Ends:529732-529753-529728-
 ID=NCLIV_039060 + 18 A..ATG
 540731,540886,156
 542425,542625,201
 543576,544656,1081
 545128,545573,446
 545940,550594,4655
 551151,551799,649
 552177,552509,333
 552847,553784,938
 554270,554766,497
 555276,555451,176
 556027,556088,62
 556511,556616,106
 557451,557586,136
 558104,560313,2210
 560722,560900,179
 561303,561379,77
 562294,562493,200
 562771,562917,147,START:Ends:563345-563407-
 ID=NCLIV_039070 + 4 [CT]..ATG[ACT]
 565293,567020,1728
 567488,567702,215
 568084,568205,122,END: start 9 GT
 568623,568999,377,START:Ends:569283-569279-
 ID=NCLIV_039080 + 19 G..ATGG

572225,572360,136,END:Starts:570799-570824-
572626,572788,163,EXACT,AG
573181,573307,127
573645,573764,120,END: start -3 GT
574119,574319,201,EXACT,AG-GT
574914,575166,253,EXACT,AG-GT
575557,575741,185,EXACT,AG-GT
575981,576177,197,EXACT,AG-GT
576357,576469,113,EXACT,AG-GT
576830,576985,156,EXACT,AG-GT
577123,577405,283,EXACT,AG-GT
577694,577829,136,EXACT,AG-GT
578327,578470,144,EXACT,AG-GT
578797,579120,324,EXACT,AG-GT
579532,579652,121,EXACT,AG-GT
579990,580275,286,EXACT,AG-GT
580616,580878,263,EXACT,AG-GT
581309,581394,86,EXACT,AG-GT
581619,581678,60,START:Ends:582381-583636-584321-
ID=NCLIV_039090 + 8 A..ATG
584226,584321,96,END:Starts:583741-583620-581619-
584698,584830,133,EXACT,AG-GT
584954,585031,78,EXACT,AG-GT
585149,585264,116,START: end 222 AG-GT (ref:AG-GT)<< Possible error
585370,585486,117,END: start -221 AG-GT (ref:AG-GT)<< Possible error
585630,585729,100,EXACT,AG-GT
585840,585997,158,EXACT,AG-GT
586122,586244,123,START:Ends:586939-586874-586840-
ID=NCLIV_039110 + 8 A..ATG
596242,596313,72,END:Starts:593288-593454-593159-
597193,597485,293,START: end 37 Info:AG-GC-donor=CT-AG-GT-
599131,599250,120
599653,599721,69
600104,600888,785,EXACT,GT
601037,601088,52,EXACT,AG-GT
601550,601665,116,EXACT,AG-GT
602339,602952,614,START:Ends:604026-605201-
ID=NCLIV_039130 + 9 [CT]..ATG[ACT]
610158,610848,691,END:Starts:609339-610377-
611360,611444,85,EXACT,AG-GT
611666,611850,185,EXACT,AG-GT
612286,612498,213,EXACT,AG-GT
612662,612795,134,EXACT,AG-GT
613211,613252,42,EXACT,AG-GT
613646,613910,265,EXACT,AG-GT
614218,614278,61,EXACT,AG-GT
614562,614628,67,START:Ends:614972-616481-617834-
ID=NCLIV_039140 + 17 A..ATG
617106,617834,729,END:Starts:616626-615154-614562-
618010,618350,341,EXACT,ATG:AG-GT
618560,618659,100,EXACT,AG-GT
618857,618952,96,EXACT,AG-GT
619216,619304,89,EXACT,ATG:AG-GT
619668,619728,61,EXACT,AG-GT
619916,620076,161,START: end -25 AG-GT (ref:AG-GT)<< Possible error
620242,620320,79,OVER: start -1 and end 290 AG-GT (ref:GG-GT)<< Possible error
621000,621168,169,START: end -4 AG-GT (ref:AG-GT)<< Possible error
621396,621435,40,OVER: start -1 and end 346 AG-GT
621629,621781,153,END: start -234 AG-GT
621927,621997,71,EXACT,AG-GT

622406,622698,293,END: start -2 AG-GT (ref:AG-GT)<< Possible error
622889,623034,146,EXACT,AG-GT
623171,623634,464,EXACT,AG-GT
623899,623995,97,EXACT,AG-GT
624159,624246,88,START:Ends:624518-624548-625401-
ID=NCLIV_039160 + 4 A..ATG
626942,627056,115,END:Starts:626441-626972-626397-
627344,627579,236,EXACT,AG-GT
627697,627873,177,EXACT,AG-GT
628134,628268,135,START:Ends:628612-629653-
ID=NCLIV_039170 + 1 A..ATG
630120,633128,3009
ID=NCLIV_039180 + 11 G..ATGG
633979,634064,86,END:Starts:633835-633763-
634248,634348,101,EXACT,AG-GT
634464,634502,39,START: end 132 AG
634812,634963,152,END: start -2 GT
635576,635625,50,EXACT,AG-GT
635763,636004,242,EXACT,AG-GT
636108,636157,50,START: end 251 Info:AG-GT-TAGITGAITAA:AG-GT-
636285,636408,124,END: start -1 TAGITGAITAA:AG-GT
637083,637216,134,OVER: start -372 and end 771 AG
637275,637322,48,OVER: start -564 and end 665 AG
637642,638091,450
ID=NCLIV_039200 + 3 GCGATGT
645633,646110,478,END:Starts:644450-644585-
646518,646608,91,START: end 144 AG
647274,647577,304
ID=NCLIV_039230 + 7 G..ATGG
672725,673149,425,END:Starts:671658-671634-671691-
673800,673836,37,EXACT,AG-GT
674313,674417,105,EXACT,AG-GT
674700,674780,81,EXACT,AG-GT
675122,675197,76,EXACT,AG-GT
675467,675537,71,START: end -1 AG
675940,675990,51
ID=NCLIV_039240 + 7 A..ATG
679029,679153,125,END:Starts:678089-678126-678255-
679661,679770,110,EXACT,AG-GT
680169,680349,181,START: end 75 AG
680950,681146,197
681748,681908,161,END: start -10 GT (ref:AG-GT)<< Possible error
682457,682558,102,EXACT,AG-GT
683211,683243,33,START:Ends:684118-684354-684794-
ID=NCLIV_039270 + 9 [CT]..ATG[ACT]
692259,692568,310
692630,692682,53
692738,692785,48
692840,692854,15
692909,693674,766
693734,693838,105
693897,693977,81
694036,694064,29
694123,694230,108
ID=NCLIV_039290 + 8 A..ATG
702271,702494,224,END:Starts:701431-701419-701418-
703032,703099,68,EXACT,AG-GT
703591,703712,122,EXACT,AG-GT
704289,704479,191,EXACT,AG-GT
704916,705021,106,EXACT,AG-GT

705520,705627,108,START: end -2 AG
706410,706517,108,EXACT,AG-GT
707153,707191,39,START:Ends:708827-708841-708919-
ID=NCLIV_039330 + 5 A..ATG
722265,722343,79
722873,723502,630
723742,723943,202
724359,724485,127
725644,725784,141
ID=NCLIV_039340 + 1 A..ATG
727021,727713,693
ID=NCLIV_039360 + 6 A..ATG
740532,740655,124,END:EXACT
741161,741645,485,EXACT,AG
741906,742265,360
742626,742834,209,EXACT,GT
743571,744123,553,EXACT,AG-GT
744457,744576,120,START:Ends:744784-744877-
ID=NCLIV_039380 + 10 A..ATG
756780,757118,339
757733,757909,177
758400,758951,552
759302,759358,57
759681,759798,118
760544,760668,125
761379,761426,48
761868,762023,156
762449,762897,449
763207,763381,175
ID=NCLIV_039390 + 1 A..ATG
766362,767825,1464
ID=NCLIV_039400 + 15 A..ATG
771715,771909,195,END:EXACT
772286,772345,60,EXACT,AG-GT
772617,772718,102,EXACT,AG
773074,773188,115,END: start -3 GT (ref:AG-GT)<< Possible error
773633,773768,136,EXACT,TAG|TGA|TAA:AG-GT
774211,774277,67,EXACT,AG-GT
774708,774825,118,EXACT,AG-GT
775157,775305,149,EXACT,AG-GT
775693,775898,206,EXACT,AG-GT
776127,776189,63,EXACT,AG-GT
776744,777078,335,EXACT,AG-GT
777533,777688,156,START: end -7 AG-GT
778153,778280,128,EXACT,GT
778676,778778,103,EXACT,AG-GT
779186,779367,182,START:EXACT
ID=NCLIV_039410 + 6 A..ATG
784240,784512,273,END:Starts:784062-782870-
785613,785985,373,EXACT,ATG:AG-GT
786507,787036,530,START: end -105 AG-GT
787196,787522,327,EXACT,AG-GT
788080,788188,109,EXACT,AG-GT
788686,788921,236,START:Ends:790098-790489-791694-
ID=NCLIV_039470 + 3 A..ATG
831253,831443,191,END:Starts:830741-830739-
832086,832147,62,EXACT,AG-GT
832372,832481,110,START:Ends:833464-832632-833602-
ID=NCLIV_039490 + 4 A..ATG
840201,840296,96,END:Starts:839489-839628-

840742,841116,375,START: end -9 Info:AG-GT-AG-GC-
841591,842019,429,END: start -312 GT
842345,842530,186,START:Ends:842960-842995-
ID=NCLIV_039500 + 34 [CT]..ATG[ACT]
845731,845761,31
846685,846842,158
847131,847152,22
847507,848703,1197
849111,849221,111
849488,849535,48
849787,850761,975
850992,851054,63
851873,852193,321,END: start 85 GT
852585,852857,273,START: end -1 AG
853183,853254,72,END: start -2 GT
853650,854420,771,EXACT,ATG:AG-GT
854667,855206,540,END: start 450 GT
855577,855672,96,EXACT,AG-GT
855976,856383,408,END: start -45 AG-GT
856715,857035,321,EXACT,AG-GT
857423,857455,33,START: end 1 AG
857842,858069,228,END: start -11 GT
858411,858584,174,START: end -23 AG
858950,859213,264
859482,859691,210
860001,860063,63
860322,860393,72,END: start 2 GT
860582,860719,138,EXACT,AG-GT
860945,861016,72,START: end -30 AG
861770,861907,138,END: start 8 GT
862035,862289,255,START: end -51 AG-GC
862530,862598,69,EXACT,AG-GT
862777,862911,135,EXACT,GT
863330,865180,1851,EXACT,AG-GT
865489,865604,116,EXACT,AG-GT
865890,867257,1368,EXACT,AG-GT
867419,867718,300,EXACT,AG-GT
868393,871062,2670,START:Ends:871571-871597-
ID=NCLIV_039520 + 18 A..ATG
878279,878722,444,END:Starts:877597-878072-
878918,879074,157,EXACT,AG-GT
879401,879499,99,EXACT,AG-GT
879946,880009,64,EXACT,AG-GT
880194,880309,116,EXACT,AG-GT
880875,881156,282,EXACT,AG-GT
881622,881671,50,EXACT,AG-GT
882036,882069,34,EXACT,AG-GT
882375,882500,126,EXACT,ATG:AG-GT
882669,882749,81,EXACT,AG-GT
883266,883722,457,EXACT,AG-GT
884222,884474,253,EXACT,AG-GT
885019,885174,156,EXACT,AG-GT
885591,885713,123,EXACT,AG-GT
886200,886336,137,EXACT,AG-GT
886914,886948,35,EXACT,AG-GT
887227,887483,257,EXACT,ATG:AG-GT
887732,887776,45,START:Ends:888311-888273-889667-
ID=NCLIV_039550 + 10 [CT]..ATG[ACT]
906193,906438,246
906804,907363,560

908064,908169,106
 908381,908482,102
 908810,908914,105
 909447,909500,54
 910178,910266,89
 910464,910623,160
 911398,911442,45,END: start -494 GT
 912086,912199,114
 ID=NCLIV_039560 + 1 G..ATGG
 916600,919641,3042
 ID=NCLIV_039570 + 1 [CT]..ATG[ACT]
 922679,923554,876
 ID=NCLIV_039580 + 1 A..ATG
 926057,927172,1116
 ID=NCLIV_039590 + 1 A..ATG
 929881,930969,1089
 ID=NCLIV_039610 + 11 A..ATG
 939127,939628,502,END:Starts:937400-938274-
 940029,940213,185,EXACT,AG-GT
 940541,940603,63,EXACT,AG-GT
 940898,941064,167,EXACT,AG-GT
 941399,941495,97,EXACT,AG-GT
 941891,941985,95,EXACT,AG-GT
 942327,942519,193,END: start 4 GT
 942979,943055,77,START: end 535 AG-GT
 943431,943590,160,END: start -452 AG-GT
 943903,944135,233,START: end -27 AG-GC
 944616,944694,79
 ID=NCLIV_039630 + 20 A..ATG
 951849,951950,102,END:Starts:950328-950327-
 952693,952900,208,EXACT,AG-GT
 953428,953536,109,EXACT,AG-GT
 954220,954308,89,EXACT,AG-GT
 954852,954973,122,EXACT,AG-GT
 955294,955388,95,EXACT,AG-GT
 955833,955974,142,EXACT,AG
 956336,956495,160
 957043,957161,119
 957645,957782,138
 958369,958458,90
 958839,958926,88
 959334,959418,85
 959615,959699,85,END: start 6 GT (ref:AG-GT)<< Possible error
 960496,960546,51,EXACT,AG-GT
 960978,961434,457,EXACT,AG-GT
 961665,961734,70,EXACT,AG-GT
 962168,962357,190,EXACT,AG-GT
 963158,963216,59,EXACT,AG-GT
 963541,963754,214,START:Ends:964445-964475-
 ID=NCLIV_039660 + 5 CTGATGG
 975484,976880,1397
 977406,977894,489
 978375,979618,1244,EXACT,GT
 980207,982836,2630,END: start 872 GT
 983551,983742,192,START:Ends:984592-984723-985391-
 ID=NCLIV_039670 + 6 CACATGG
 986945,987343,399,END:Starts:986029-986077-985557-
 987941,988150,210,EXACT,AG-GT
 988467,988586,120,EXACT,AG-GT
 988877,991253,2377,EXACT,AG-GT

991785,991953,169,EXACT,AG-GT
992285,992648,364,START:Ends:996033-996995-
ID=NCLIV_039700 + 3 A..ATG
1009840,1010445,606,END:EXACT
1010640,1011072,433,END: start 288 GT
1011326,1012050,725,START:EXACT
ID=NCLIV_039710 + 1 A..ATG
1016386,1017516,1131,OVER:Ends:1018074-1018123-
ID=NCLIV_039720 + 7 A..ATG
1020780,1021288,509,END:Starts:1019847-1021233-
1021597,1022602,1006,EXACT,AG-GT
1023046,1023094,49,EXACT,AG
1023551,1023707,157
1024246,1024777,532,EXACT,GT
1025330,1027191,1862,END: start 1005 GT
1027679,1031567,3889,START:Ends:1034650-1036121-
ID=NCLIV_039740 + 1 GCAATGA
1048436,1050400,1965,OVER:Ends:1050753-1050927-
ID=NCLIV_039760 + 11 A..ATG
1060518,1060543,26,END:Starts:1056195-1059386-1059511-
1060917,1061043,127,EXACT,AG-GT
1061537,1061629,93,START: end 825 TAG|TGA|TAA:AG-GT
1062304,1062454,151,END: start -767 TAG|TGA|TAA:AG-GT
1062827,1062907,81,EXACT,AG-GT
1063553,1063701,149,EXACT,AG-GT
1064036,1064258,223,EXACT,AG-GT
1064871,1065193,323,EXACT,AG-GT
1065831,1065947,117,EXACT,AG-GT
1066720,1066841,122,EXACT,AG-GT
1067023,1067296,274,START:Ends:1067796-1067833-1067882-
ID=NCLIV_039770 + 4 A..ATG
1071681,1072086,406,END:Starts:1069707-1070394-1070400-
1072653,1072805,153,END: start 63 AG-GT (ref:AG-GT)<< Possible error
1073323,1073406,84,EXACT,TAG|TGA|TAA:AG-GT
1073851,1074164,314,START:Ends:1075721-1075613-1075649-
ID=NCLIV_039790 + 4 GAGATGA
1086517,1086598,82,END:Starts:1085618-1085650-1086453-
1087277,1087329,53,EXACT,AG-GT
1087725,1088218,494,EXACT,AG-GT
1088651,1089035,385,START:Ends:1091142-1090281-1093754-
ID=NCLIV_039810 + 4 GAGATGC
1095256,1095522,267
1095578,1095800,223
1095864,1096012,149
1096232,1096285,54
ID=NCLIV_039830 + 7 GCAATGC
1105941,1106328,388,END:EXACT
1106619,1107019,401,EXACT,AG-GT
1107364,1107464,101,EXACT,AG-GT
1107649,1107736,88,EXACT,AG-GT
1108269,1108361,93,EXACT,AG-GT
1108959,1110201,1243,START: end 2019 AG
1110627,1110739,113,OVER:Ends:1113592-1111188-1112220-
ID=NCLIV_039840 + 2 A..ATG
1113094,1113592,499,END:Starts:1112291-1108959-1113241-
1114190,1114242,53,OVER:EXACT
ID=NCLIV_039850 + 8 A..ATG
1118193,1118256,64,END:Starts:1117861-1117855-1117854-
1118804,1118853,50,START: end 63 AG-GC (ref:AG-GT)<< Possible error
1119278,1119391,114,EXACT,AG-GT

1119752,1119847,96,EXACT,AG-GT
 1120338,1120389,52,EXACT,AG-GT
 1120731,1120830,100,EXACT,AG-GT
 1121792,1121910,119,EXACT,AG-GT
 1122682,1122740,59,START:Ends:1123818-1123810-
 ID=NCLIV_039860 + 2 A..ATG
 1125783,1126095,313,END:Starts:1124054-1124882-1124773-
 1126534,1128059,1526,START:Ends:1134432-1134589-
 ID=NCLIV_039880 + 9 [CT]..ATG[ACT]
 1136598,1136706,109
 1137123,1137838,716,END: start -309 GT
 1138698,1138814,117,EXACT,AG-GT
 1139478,1139600,123,EXACT,AG-GT
 1139776,1139887,112,EXACT,AG-GT
 1140198,1140268,71,EXACT,AG-GT
 1140725,1140885,161,EXACT,AG-GT
 1141372,1141474,103,EXACT,AG-GT
 1142173,1142334,162,START:Ends:1143639-1143732-1143731-
 ID=NCLIV_039890 + 7 [CT]..ATG[ACT]
 1147341,1147797,457
 1148228,1148326,99,EXACT,GT
 1148824,1148897,74,EXACT,AG-GT
 1149265,1149414,150,EXACT,AG-GT
 1149962,1150065,104,EXACT,AG
 1150333,1150440,108,END: start 36 AG-GT
 1150929,1150953,25
 ID=NCLIV_039900 + 3 A..ATG
 1153723,1153953,231,END:Starts:1153267-1153292-1153408-
 1154474,1154572,99,START: end 1158 AG
 1155239,1155274,36,OVER:Ends:1155733-1155730-1154572-
 ID=NCLIV_039910 + 1 A..ATG
 1158262,1159188,927
 ID=NCLIV_039920 + 2 A..ATG
 1159476,1159917,442
 1160033,1160235,203
 ID=NCLIV_039930 + 11 G..ATGG
 1161048,1161210,163
 1161267,1161283,17
 1161352,1161417,66
 1161476,1161494,19
 1161554,1161610,57
 1161679,1161783,105
 1161846,1161865,20
 1161924,1161931,8
 1161994,1162019,26
 1162076,1162111,36
 1162171,1162256,86
 ID=NCLIV_039950 + 1 A..ATG
 1169078,1170679,1602
 ID=NCLIV_039960 + 10 G..ATGG
 1173303,1173311,9,END:Starts:1172646-1172643-
 1173785,1174064,280,EXACT,AG-GT
 1174929,1175099,171,EXACT,AG-GT
 1175362,1175422,61,EXACT,AG-GT
 1175775,1175810,36,EXACT,AG-GT
 1176197,1176254,58,EXACT,AG-GT
 1176629,1176648,20,START: end 393 AG-GT
 1176979,1177041,63,END: start -3 AG-GT
 1177236,1177317,82,EXACT,AG-GT
 1177863,1178015,153,START:EXACT

ID=NCLIV_039970 + 1 A..ATG
1180944,1182095,1152

ID=NCLIV_040000 + 5 GGGATGC
1197077,1197379,303,END:Starts:1195775-1195994-1196107-
1197811,1198060,250,EXACT,AG-GT
1198307,1198524,218,EXACT,ATG:AG-GT
1198942,1199216,275,EXACT,AG-GT
1200507,1200873,367,START:Ends:1201863-1202351-

ID=NCLIV_040010 + 10 GCCATGA
1210964,1211585,622,END:EXACT
1212156,1212395,240,EXACT,AG-GT
1212722,1213508,787,EXACT,AG-GT
1213761,1214490,730,EXACT,AG-GT
1214861,1216099,1239,EXACT,AG-GT
1216619,1217260,642,EXACT,AG-GT
1217604,1217652,49,EXACT,AG-GT
1218310,1218564,255,EXACT,AG-GT
1219118,1219147,30,EXACT,AG-GT
1219396,1219505,110,START:EXACT

ID=NCLIV_040020 + 7 A..ATG
1222826,1223260,435
1223455,1223501,47,END: start 18 GT
1224027,1224463,437,EXACT,TAG|TGA|TAA:AG-GT
1224918,1225627,710,START: end -27 AG
1225924,1226097,174
1226586,1226734,149,EXACT,AG-GT
1227210,1228656,1447,START:Ends:1229195-1229128-

ID=NCLIV_040040 + 5 GCCATGT
1239019,1239534,516,END:Starts:1239225-1238473-
1240449,1240580,132,START: end 99 AG
1241107,1241367,261,END: start 16 GT (ref:AG-GT)<< Possible error
1241784,1241846,63,EXACT,AG-GT
1242354,1242467,114,START:Starts:1242292-1242354-

ID=NCLIV_040060 + 9 A..ATG
1260431,1268741,8311,END:Starts:1264800-1263815-
1268977,1269076,100,START: end -1 AG
1269323,1269439,117
1269767,1269848,82,EXACT,GT
1270176,1270282,107,EXACT,AG-GT
1270717,1270770,54,EXACT,AG-GT
1271104,1271197,94,EXACT,AG-GT
1271561,1271692,132,EXACT,AG-GT
1272180,1272212,33,START:Ends:1273532-1273656-1273617-

ID=NCLIV_040080 + 1 A..ATG
1281931,1284630,2700

ID=NCLIV_040110 + 6 A..ATG
1298110,1298749,640
1300261,1300527,267
1300977,1301045,69
1301471,1301641,171
1302099,1302290,192
1303098,1304965,1868

ID=NCLIV_040120 + 12 A..ATG
1306507,1307543,1037,END:Starts:1306105-1306109-
1308065,1308415,351,EXACT,AG-GT
1308984,1309276,293,EXACT,AG
1309533,1309751,219
1310131,1310251,121
1310454,1310526,73,EXACT,AG-GT
1310923,1311063,141,EXACT,AG

1311453,1311880,428
1312276,1312457,182
1312857,1313007,151,EXACT,AG-GT
1313241,1313361,121,EXACT,AG-GT
1313687,1313815,129,START:Ends:1314678-1314672-
ID=NCLIV_040160 + 1 A..ATG
1350992,1352272,1281
ID=NCLIV_040180 + 1 A..ATG
1363078,1366023,2946
ID=NCLIV_040210 + 7 CTGATGG
1377430,1377469,40,END:Starts:1376852-1376866-1376870-
1377984,1378177,194,EXACT,AG-GT
1379072,1379273,202,START: end -69 AG-GT (ref:AG-GT)<< Possible error
1379379,1379447,69,EXACT,AG-GT
1380110,1380147,38,EXACT,AG-GT
1380879,1380960,82,EXACT,AG-GT
1381560,1381930,371,START:Ends:1382528-1383474-
ID=NCLIV_040230 + 9 CACATGG
1395050,1395922,873,OVER:Starts:1393905-1392766-
1396561,1396650,90,END: start -3795 GT
1396834,1396966,133,EXACT,AG-GT
1397104,1397672,569,EXACT,AG-GT
1397827,1397967,141,EXACT,AG-GT
1398370,1398484,115,EXACT,AG-GT
1398775,1399061,287,EXACT,AG-GT
1399334,1399446,113,EXACT,AG-GT
1399966,1400068,103,START:Ends:1401054-1401069-1401098-
ID=NCLIV_040240 + 4 A..ATG
1403505,1403642,138,END:Starts:1402932-1403147-1403008-
1403884,1403956,73,EXACT,AG-GT
1404184,1404362,179,EXACT,AG-GT
1404592,1405014,423,START:Ends:1405141-1405108-1405175-
ID=NCLIV_040250 + 1 A..ATG
1408391,1412236,3846
ID=NCLIV_040260 + 8 GGTATGA
1415292,1417317,2026,OVER:Starts:1405533-1414563-1413865-
1418578,1419219,642,END: start -4713 GT (ref:AG-GT)<< Possible error
1419797,1419871,75,EXACT,AG-GT
1420098,1420194,97,EXACT,TAG|TGA|TAA:AG-GT
1420697,1420845,149,EXACT,AG-GT
1421298,1421403,106,EXACT,AG-GT
1421739,1421787,49,EXACT,AG-GT
1422328,1422474,147,START:Ends:1424514-1425493-
ID=NCLIV_040280 + 6 A..ATG
1429877,1429923,47
1430164,1430218,55,EXACT,AG-GT
1430601,1430674,74,EXACT,AG
1431911,1432121,211,EXACT,AG-GT
1432675,1432762,88,EXACT,AG-GT
1433230,1433420,191,START:Ends:1433975-1433982-
ID=NCLIV_040290 + 10 A..ATG
1436323,1438453,2131,END:Starts:1435212-1435154-1437456-
1438883,1439014,132,EXACT,AG-GT
1439274,1439902,629,EXACT,GT
1440325,1440925,601,END: start -18 AG-GT
1441438,1441542,105,EXACT,AG-GT
1441695,1442823,1129,EXACT,AG-GT
1443152,1444606,1455,EXACT,AG-GT
1444731,1444807,77,EXACT,TAG|TGA|TAA:AG-GT
1445297,1445400,104,EXACT,AG-GT

1445680,1445871,192,START:Ends:1449582-1449520-
ID=NCLIV_040330 + 1 A..ATG
1480013,1483162,3150
ID=NCLIV_040350 + 17 [CT]..ATG[ACT]
1500378,1500406,29
1500782,1502000,1219
1502592,1503371,780
1503812,1503958,147
1504624,1504718,95
1505363,1505562,200
1506087,1506216,130,END: start 60 GT
1506761,1506856,96,EXACT,AG-GT
1507255,1507393,139,EXACT,AG-GT
1507835,1507936,102,EXACT,AG-GT
1508729,1508832,104,START: end -5 AG
1509424,1509547,124,END: start 77 GT
1510216,1510329,114,EXACT,AG-GT
1510687,1510890,204,END: start -1 GT
1511252,1512133,882,END: start 818 GT
1512426,1512510,85,EXACT,AG-GT
1512882,1513531,650,START:Ends:1514510-1514588-1514580-
ID=NCLIV_040360 + 12 G..ATGG
1517116,1519761,2646,END:Starts:1516163-1516150-1518448-
1520160,1520231,72,EXACT,AG-GT
1520712,1520815,104,EXACT,AG-GT
1521135,1521471,337,EXACT,AG-GT
1521943,1521993,51,START: end -19 AG
1522269,1522382,114,END: start -59 GT
1522787,1522880,94,EXACT,AG-GT
1523471,1523526,56,EXACT,AG-GT
1523945,1524022,78,EXACT,AG-GT
1524151,1524208,58,EXACT,AG-GT
1524748,1524809,62,EXACT,AG-GT
1524951,1525016,66,START:EXACT
ID=NCLIV_040390 + 7 A..ATG
1542134,1545574,3441,END:Starts:1545317-1545056-
1545962,1546246,285,START: end -129 AG
1546759,1548429,1671
1548683,1553010,4328
1553490,1556365,2876,END: start 1797 GT
1556833,1556969,137,EXACT,AG
1557398,1558228,831
ID=NCLIV_040410 + 3 G..ATGG
1566368,1567298,931,END:Starts:1565657-1565492-1565676-
1567826,1567981,156,EXACT,AG-GT
1568433,1568518,86,START:Ends:1569417-1569333-1569355-
ID=NCLIV_040420 + 19 A..ATG
1572905,1573141,237,OVER:Starts:1571985-1571857-
1573620,1574277,658,START: end -574 AG-GT
1574713,1574998,286
1575504,1576050,547
1576564,1576630,67
1577008,1577201,194,END: start 33 GT
1577455,1577679,225,EXACT,AG
1578327,1578390,64,EXACT,GT
1578494,1578741,248,EXACT,AG-GT
1579078,1579215,138,EXACT,AG-GT
1579567,1579649,83,EXACT,AG
1580121,1580199,79,EXACT,AG-GT
1580853,1581073,221,EXACT,AG-GT

1581445,1581516,72,EXACT,AG-GT
 1581630,1581865,236,EXACT,AG-GT
 1582193,1582289,97,EXACT,AG-GT
 1582533,1582697,165,EXACT,AG-GT
 1582946,1583048,103,EXACT,AG-GT
 1583553,1583612,60,START:Ends:1584726-1584729-
 ID=NCLIV_040470 + 9 A..ATG
 1626078,1626409,332,END:Starts:1625334-1625345-1625445-
 1626937,1627066,130,EXACT,AG-GT
 1627779,1628171,393,EXACT,AG-GT
 1628314,1628374,61,EXACT,AG-GT
 1628928,1628988,61,EXACT,AG-GT
 1629415,1629608,194,START: end -81 AG-GT
 1630020,1630071,52,EXACT,AG-GT
 1630592,1630645,54,EXACT,AG-GT
 1631209,1631332,124,START:Ends:1632077-1631987-
 ID=NCLIV_040490 + 11 A..ATG
 1646763,1646924,162
 1647533,1655238,7706
 1655538,1656437,900
 1656971,1657157,187,END: start 18 GT
 1657410,1657568,159,EXACT,AG-GT
 1657742,1658117,376,EXACT,AG-GT
 1658475,1658553,79,START: end 123 AG
 1659170,1659286,117
 1659664,1659814,151
 1660570,1660756,187,END: start 9 GT
 1661158,1662941,1784,START:EXACT
 ID=NCLIV_040495 + 4 [CT]..ATG[ACT]
 1666638,1671311,4674,OVER:Starts:1665606-1665163-
 1671658,1671703,46
 1671967,1672208,242,START: end 1440 AG
 1672485,1673366,882,OVER:Ends:1673666-1673648-
 ID=NCLIV_040500 + 8 A..ATG
 1675715,1675889,175,END:Starts:1675100-1675072-
 1676621,1677610,990,EXACT,AG-GT
 1678217,1678516,300,START: end 180 AG
 1679233,1680032,800
 1680645,1680800,156
 1681200,1681364,165
 1681953,1682036,84
 1682384,1682608,225
 ID=NCLIV_040550 + 2 CTCATGG
 1718046,1718625,580,END:Starts:1716256-1716928-1717448-
 1719134,1719207,74,START:EXACT
 ID=NCLIV_040580 + 10 G..ATGG
 1742832,1743293,462,END:Starts:1741818-1741794-
 1743677,1744300,624,EXACT,AG-GT
 1744992,1745088,97,EXACT,AG-GT
 1745617,1745837,221,EXACT,AG-GT
 1746239,1746589,351,END: start 11 GT (ref:AG-GT)<< Possible error
 1746906,1747059,154,START: end -7 AG
 1747490,1747730,241,EXACT,GT
 1748129,1748243,115,EXACT,AG-GT
 1748832,1748896,65,EXACT,AG-GT
 1749276,1749369,94,START:Ends:1750522-1750431-1750811-
 ID=NCLIV_040590 + 24 A..ATG
 1752748,1752843,96,END:Starts:1751959-1751967-
 1753237,1753288,52,START: end -1 AG
 1753848,1753876,29

1754273,1754317,45,EXACT,GT
 1754734,1755090,357,START: end -141 AG-GC
 1755179,1755225,47,EXACT,AG
 1755700,1755817,118,EXACT,GT
 1756407,1756529,123,EXACT,AG-GT
 1756923,1757021,99,EXACT,AG-GT
 1757318,1757461,144,EXACT,AG-GT
 1758048,1758194,147,EXACT,AG-GT
 1759101,1759436,336,EXACT,GT
 1759808,1759942,135,EXACT,AG-GT
 1760087,1760176,90,START: end 42 AG
 1760188,1760357,170
 1760481,1760557,77,END: start 1 GT
 1761292,1761416,125,EXACT,GT
 1762168,1762294,127,EXACT,AG-GT
 1762891,1762974,84,START: end -47 Info:AG-GT-AG-GC-
 1763665,1763699,35,END: start 8 GT
 1764199,1764262,64,EXACT,AG-GT
 1764664,1764746,83,EXACT,AG-GT
 1765169,1765236,68,EXACT,AG-GT
 1765561,1765684,124,START:Ends:1766505-1766563-
 ID=NCLIV_040610 + 1 GCGATGA
 1775664,1783457,7794
 ID=NCLIV_040630 + 3 G..ATGG
 1790707,1791567,861,END:Starts:1789513-1791111-
 1792042,1795410,3369,END: start 2486 GT
 1795623,1798121,2499,START:Ends:1798580-1797032-
 ID=NCLIV_040650 + 8 CGTATGG
 1809565,1809677,113
 1810967,1811407,441
 1811893,1812966,1074,END: start -84 GT (ref:AG-GT)<< Possible error
 1813350,1814749,1400,START: end 749 AG
 1815768,1815806,39
 1816132,1819636,3505,END: start -329 GT (ref:AG-GT)<< Possible error
 1820019,1820481,463,EXACT,AG-GT
 1820881,1820985,105,START:Ends:1823014-1823175-
 ID=NCLIV_040660 + 1 CCAATGG
 1825053,1825640,588
 ID=NCLIV_040670 + 1 G..ATGG
 1827483,1828712,1230
 ID=NCLIV_040700 + 6 GACATGA
 1870630,1870736,107
 1871624,1871839,216
 1872364,1872602,239
 1872705,1872904,200,END: start 39 GT
 1873476,1873646,171,EXACT,AG-GT
 1874247,1874516,270,START:Ends:1874623-1874620-
 ID=NCLIV_040730 + 14 G..ATGG
 1896995,1897369,375,END:Starts:1896539-1896504-1896579-
 1898635,1898860,226,END: start 60 GT
 1899406,1899557,152,EXACT,ATG:AG-GT
 1900207,1900262,56,EXACT,AG-GT
 1900639,1900711,73,EXACT,AG-GT
 1901133,1901207,75,EXACT,AG-GT
 1901648,1901791,144,EXACT,AG-GT
 1902140,1902219,80,OVER: start -137 and end 1125 AG
 1903023,1903344,322,END: start -515 GT
 1903944,1904029,86,EXACT,AG-GT
 1904308,1904445,138,EXACT,AG-GT
 1904868,1905021,154,EXACT,AG-GT

1905337,1905468,132,START: end -7 AG
 1905821,1906060,240
 ID=NCLIV_040740 + 5 [CT]..ATG[ACT]
 1909315,1909528,214
 1910159,1910319,161
 1910852,1910943,92
 1911377,1911448,72
 1911808,1911931,124
 ID=NCLIV_040750 + 2 G..ATGG
 1915914,1916487,574
 1918250,1920954,2705
 ID=NCLIV_040760 + 2 G..ATGG
 1926393,1930727,4335,END:Starts:1929374-1927330-1929159-
 1931374,1932300,927,START:Ends:1931846-1933073-1933008-
 ID=NCLIV_040770 + 5 G..ATGG
 1935180,1935694,515,END:Starts:1933889-1933938-1935195-
 1936146,1936512,367,EXACT,AG-GT
 1937349,1937522,174,EXACT,AG-GT
 1937640,1937710,71,EXACT,AG-GT
 1938040,1938583,544,START:Ends:1939096-1939108-1939106-
 ID=NCLIV_040790 + 2 A..ATG
 1944850,1945094,245
 1945660,1949719,4060
 ID=NCLIV_040830 + 10 A..ATG
 1956928,1957172,245
 1957310,1957443,134
 1957614,1957684,71
 1958230,1958384,155,END: start -63 GT
 1958858,1958971,114,EXACT,AG-GT
 1959684,1959755,72,EXACT,ATG:AG-GT
 1959959,1961043,1085,EXACT,AG-GT
 1961258,1961705,448,END: start 165 AG-GT (ref:AG-GT)<< Possible error
 1962066,1962249,184,EXACT,AG-GT
 1962841,1963173,333,START:Ends:1963308-1963342-
 ID=NCLIV_040840 + 8 G..ATGG
 1966737,1966826,90,END:Starts:1965899-1965942-
 1967345,1967579,235,START: end 131 AG
 1967893,1967993,101
 1968296,1968418,123
 1968698,1969035,338,END: start -19 GT
 1969451,1969507,57,EXACT,AG-GT
 1969719,1969890,172,START: end -21 AG
 1971304,1971384,81
 ID=NCLIV_040860 + 13 A..ATG
 1983475,1983585,111,END:Starts:1982675-1982611-1982646-
 1983917,1984119,203,EXACT,AG-GT
 1984322,1984365,44,EXACT,AG-GT
 1984554,1984735,182,EXACT,AG-GT
 1984866,1984984,119,EXACT,AG-GT
 1985293,1985337,45,START: end 545 AG-GT (ref:AG-GT)<< Possible error
 1985627,1985882,256,END: start -334 AG-GT (ref:AG-GT)<< Possible error
 1986169,1986328,160,EXACT,AG-GT
 1986449,1986657,209,EXACT,AG-GT
 1986911,1987118,208,EXACT,AG-GT
 1987446,1987559,114,START: end 329 AG-GT (ref:AG-GT)<< Possible error
 1987800,1987888,89,END: start -354 AG-GT (ref:AG-GT)<< Possible error
 1988154,1988237,84,START:EXACT
 ID=NCLIV_040880 + 4 A..ATG
 1993662,1993713,52,END:EXACT
 1994546,1995795,1250,EXACT,AG-GT

1996740,1996967,228,EXACT,AG-GT
 1997682,1998272,591
 ID=NCLIV_040940 + 9 [CT]..ATG[ACT]
 2057525,2057743,219,END:Starts:2053196-2056803-2057023-
 2058143,2058340,198,EXACT,AG-GT
 2058849,2058973,125,START: end -3 AG
 2059383,2059532,150,END: start -140 GT (ref:AG-GT)<< Possible error
 2059857,2060236,380,END: start 221 AG-GT
 2060778,2060941,164,EXACT,AG-GT
 2061362,2061550,189,EXACT,AG-GT
 2061947,2062215,269,EXACT,AG-GT
 2062907,2062967,61,START:Ends:2063056-2063251-2063189-
 ID=NCLIV_040950 + 15 A..ATG
 2066226,2067181,956,END:Starts:2065806-2065164-
 2067694,2067979,286,EXACT,AG-GT
 2068599,2068664,66,EXACT,AG-GT
 2069279,2069956,678,EXACT,AG-GT
 2070406,2071178,773,EXACT,AG-GT
 2071602,2071815,214,EXACT,AG-GT
 2072215,2072570,356,EXACT,AG-GT
 2072900,2073227,328,EXACT,AG-GT
 2073829,2074323,495,EXACT,AG-GT
 2074608,2075195,588,EXACT,AG-GT
 2075763,2075881,119,EXACT,AG-GT
 2076205,2076447,243,EXACT,AG-GT
 2076720,2076828,109,EXACT,AG-GT
 2077482,2077607,126,EXACT,AG-GT
 2078214,2078345,132,START:Ends:2078858-2078563-2078225-
 ID=NCLIV_040960 + 1 [CT]..ATG[ACT]
 2080969,2085621,4653
 ID=NCLIV_041000 + 12 A..ATG
 2108377,2108799,423,END:Starts:2108222-2108333-2108418-
 2109285,2109435,151,EXACT,AG-GT
 2109633,2109934,302,EXACT,AG-GT
 2110488,2110579,92,START: end -9 AG
 2110914,2111104,191,END: start -1 GT (ref:AG-GT)<< Possible error
 2111238,2111376,139,START: end -21 AG
 2111636,2111771,136,END: start -5 GT
 2111950,2112074,125,EXACT,AG-GT
 2112508,2112581,74,EXACT,AG-GT
 2112877,2113073,197,EXACT,AG-GT
 2113228,2113323,96,EXACT,AG-GT
 2113590,2114075,486,START:Ends:2114211-2114343-
 ID=NCLIV_041010 + 2 A..ATG
 2116480,2117287,808,END:Starts:2115745-2115388-2116850-
 2117897,2119188,1292,START:Ends:2120887-2120882-2120927-
 ID=NCLIV_041030 + 4 A..ATG
 2126831,2126867,37,END:EXACT
 2127346,2127420,75,START: end 3 AG-GT (ref:AG-GC)<< Possible error
 2127636,2127712,77,EXACT,AG-GT
 2127863,2128753,891,START:EXACT
 ID=NCLIV_041050 + 6 G..ATGG
 2135680,2135795,116
 2135895,2135957,63,START: end 283 AG
 2136042,2136054,13,OVER: start -147 and end 186 AG
 2136163,2136221,59,OVER: start -268 and end 19 AG
 2136335,2136393,59,END: start 9 GT
 2136488,2137002,515,START:EXACT
 ID=NCLIV_041080 + 3 A..ATG
 2147494,2147739,246

2148158,2148370,213
2148823,2149041,219
ID=NCLIV_041100 + 2 A..ATG
2154335,2154754,420,END:Starts:2153514-2153530-2153536-
2155219,2155638,420,START:Ends:2156571-2156111-2155987-
ID=NCLIV_041110 + 5 A..ATG
2162530,2163016,487
2163272,2163496,225
2164052,2164346,295
2165205,2165444,240,START: end 478 Code:INTERNAL-
2165696,2166926,1231
ID=NCLIV_041150 + 7 A..ATG
2186800,2187081,282,END:EXACT
2187848,2187924,77,EXACT,AG-GT
2188161,2188257,97,EXACT,AG-GT
2189032,2189100,69,EXACT,AG-GT
2189500,2189555,56,EXACT,AG-GT
2189729,2189789,61,EXACT,AG-GT
2190107,2190196,90,START:Ends:2191477-2191761-2191536-
ID=NCLIV_041160 + 16 A..ATG
2194825,2195635,811
2196133,2196322,190
2196881,2197165,285
2197282,2197447,166
2197770,2198003,234
2198941,2199279,339
2199943,2200107,165
2201089,2201361,273,END: start 137 GT
2201940,2202158,219,EXACT,AG-GT
2202420,2202686,267,EXACT,AG-GT
2203257,2203472,216,EXACT,GT
2203886,2204275,390,EXACT,AG-GT
2204754,2205212,459,EXACT,AG-GT
2205520,2205953,434,EXACT,AG
2206239,2206493,255
2206962,2207217,256
ID=NCLIV_041190 + 3 G..ATGG
2219912,2222175,2264
2222495,2222748,254
2223571,2224427,857
ID=NCLIV_041210 + 4 A..ATG
2232009,2232225,217,END:Starts:2231094-2231226-2231265-
2232972,2233121,150,EXACT,AG-GT
2233403,2233522,120,EXACT,AG-GT
2233954,2234177,224,START:Ends:2234629-2234670-2234734-
ID=NCLIV_041240 + 11 A..ATG
2259487,2259974,488,END:EXACT
2260630,2260729,100,EXACT,AG-GT
2261213,2261306,94,EXACT,AG
2261753,2261941,189,EXACT,GT
2262543,2262670,128,EXACT,AG-GT
2263161,2263358,198,EXACT,AG-GT
2264080,2264321,242,EXACT,AG-GT
2265103,2265248,146,EXACT,AG-GT
2265560,2265721,162,EXACT,AG-GT
2266091,2266164,74,EXACT,AG-GT
2266593,2266712,120,START:Ends:2268077-2268231-2268226-
ID=NCLIV_041250 + 1 A..ATG
2269258,2271198,1941
ID=NCLIV_041280 + 3 A..ATG

2288964,2291272,2309,END:Starts:2286291-2289886-
2291748,2291829,82,EXACT,AG-GT
2292283,2292375,93,START:Ends:2294097-2293184-
ID=NCLIV_041300 + 6 TTTATGG
2302573,2302711,139
2303198,2303518,321,OVER: start -179 and end 10 GT
2304277,2304358,82,EXACT,AG-GT
2305198,2305320,123,END: start 43 AG-GT (ref:AG-GT)<< Possible error
2306082,2306187,106,EXACT,AG-GT
2306560,2306619,60,START:Ends:2307455-2310576-
ID=NCLIV_041320 + 18 CAGATGG
2320554,2320697,144
2320974,2321036,63
2321654,2321986,333
2322302,2322502,201
2323162,2323367,206
2323747,2323988,242
2324509,2324599,91
2324894,2324978,85
2325281,2325638,358
2326204,2326656,453
2326999,2327033,35
2327262,2327499,238
2328016,2328186,171
2328465,2328538,74
2328787,2329035,249,EXACT,AG-GT
2329359,2329418,60,EXACT,AG-GT
2329886,2329973,88,EXACT,AG-GT
2330335,2330726,392,START:Ends:2330943-2330917-
ID=NCLIV_041330 + 9 A..ATG
2335926,2338428,2503
2339146,2340491,1346
2340903,2342397,1495
2342815,2347113,4299
2347781,2355701,7921,END: start 2680 GT
2356062,2356450,389,EXACT,AG-GT
2356738,2356842,105,EXACT,AG
2357441,2357526,86,END: start 12 GT (ref:AG-GT)<< Possible error
2358147,2358221,75,OVER:Ends:2358299-2358655-2358709-
ID=NCLIV_041340 + 1 [CT]..ATG[ACT]
2370989,2373946,2958
ID=NCLIV_041390 + 7 G..ATGG
2409823,2411018,1196,END:Starts:2409220-2409217-
2411518,2411624,107,EXACT,AG-GT
2411929,2412547,619,EXACT,AG-GT
2413068,2413476,409,EXACT,AG-GT
2414092,2414217,126,EXACT,AG-GT
2414796,2414962,167,START: end 573 AG
2415829,2415904,76
ID=NCLIV_041410 + 10 A..ATG
2425048,2425331,284
2425731,2425864,134
2426126,2426455,330
2427503,2427745,243
2428106,2428386,281
2428801,2430237,1437
2430603,2430673,71
2431753,2432340,588
2433186,2434510,1325
2434767,2434894,128

ID=NCLIV_041450 + 20 A..ATG
 2458433,2459075,643
 2459810,2460101,292
 2460560,2460899,340
 2461282,2461421,140
 2461728,2461996,269
 2462234,2462497,264
 2462668,2463062,395
 2463441,2463612,172
 2463977,2464249,273
 2464561,2464921,361
 2465179,2465417,239
 2465864,2466879,1016
 2467300,2467785,486
 2467953,2468072,120
 2468580,2468650,71
 2468955,2469143,189
 2469466,2469657,192
 2470008,2470133,126
 2470550,2470751,202
 2471040,2471177,138
 ID=NCLIV_041460 + 1 GAAATGT
 2473759,2477394,3636,OVER:Starts:2477793-2472901-
 ID=NCLIV_041480 + 16 A..ATG
 2485087,2485284,198,END:Starts:2484075-2484092-2484095-
 2485671,2485787,117,EXACT,AG-GT
 2486452,2486589,138,EXACT,AG-GT
 2488059,2488370,312,END: start -27 AG-GT (ref:GG-GT)<< Possible error
 2488600,2488665,66,START: end -12 AG
 2488895,2488950,56
 2489300,2489441,142,END: start -194 GT (ref:AG-GT)<< Possible error
 2490018,2490111,94,EXACT,AG-GT
 2490593,2490773,181,END: start 81 ATG:AG-GT (ref:AG-GT)<< Possible error
 2491293,2491388,96,EXACT,AG-GT
 2491909,2492002,94,EXACT,AG-GT
 2492571,2492765,195,EXACT,AG-GT
 2493253,2493333,81,EXACT,AG-GT
 2493541,2493710,170,EXACT,AG-GT
 2494092,2494226,135,EXACT,AG-GT
 2494529,2494607,79,START:Ends:2495032-2494969-2494963-
 ID=NCLIV_041500 + 11 A..ATG
 2506081,2507760,1680
 2508366,2509544,1179
 2509873,2511672,1800
 2512287,2512773,487
 2513370,2513485,116
 2514035,2514172,138
 2515044,2515187,144
 2515602,2515691,90
 2516111,2516227,117
 2516787,2517780,994
 2518168,2519162,995
 ID=NCLIV_041510 + 1 G..ATGG
 2521958,2523565,1608
 ID=NCLIV_041520 + 3 A..ATG
 2524842,2524976,135,END:Starts:2522224-2522205-2522340-
 2525347,2525562,216,END: start -203 GT (ref:AG-GT)<< Possible error
 2525739,2525996,258,START:Ends:2527133-2528354-2528369-
 ID=NCLIV_041540 + 4 A..ATG
 2538372,2539311,940

2540589,2540968,380
 2541649,2542740,1092
 2543400,2543867,468
 ID=NCLIV_041570 + 15 G..ATGG
 2565906,2565997,92
 2566550,2566733,184
 2567215,2567280,66
 2567805,2567878,74
 2568548,2568675,128
 2569118,2569220,103
 2569587,2569690,104
 2570344,2570509,166
 2571041,2571098,58
 2571585,2571683,99
 2572539,2572632,94
 2573249,2573479,231,END: start 1 GT (ref:AG-GT)<< Possible error
 2573860,2574405,546,START: end 3 AG
 2575035,2575143,109,EXACT,AG-GT
 2575335,2575491,157,START:Ends:2575814-2576043-2575926-
 ID=NCLIV_041590 + 11 A..ATG
 2579834,2579969,136
 2581871,2582588,718
 2583051,2583159,109
 2583575,2583853,279
 2584371,2584526,156
 2585212,2585522,311
 2586191,2586383,193
 2586847,2587161,315
 2587526,2587685,160
 2587977,2588050,74
 2588209,2588703,495
 ID=NCLIV_041610 + 4 A..ATG
 2607407,2607484,78,END:EXACT
 2607807,2607859,53,EXACT,AG-GT
 2608415,2608523,109,START: end 2102 AG
 2609300,2609557,258,OVER:Ends:2608523-2610625-2613049-
 ID=NCLIV_041650 + 3 A..ATG
 2645151,2645670,520,END:EXACT
 2646205,2647206,1002,EXACT,AG-GT
 2647672,2649098,1427,START:Ends:2649885-2649832-2649841-
 ID=NCLIV_041670 + 4 [CT]..ATG[ACT]
 2665564,2665624,61
 2666116,2666230,115
 2666662,2666821,160
 2667167,2667289,123
 ID=NCLIV_041680 + 10 A..ATG
 2671606,2671747,142,END:Starts:2669206-2669153-2670356-
 2672582,2672841,260,EXACT,AG-GT
 2673265,2673360,96,EXACT,AG-GT
 2673639,2673831,193,EXACT,AG-GT
 2674148,2674261,114,EXACT,AG-GT
 2674727,2674839,113,START: end -19 AG (ref:AG-GT)<< Possible error
 2675158,2675217,60,END: start -1 GT
 2675323,2675401,79,EXACT,AG-GT
 2675728,2675815,88,START: end 491 AG
 2676226,2676310,85,WITHIN:Starts:2676235-2676230-2675728-
 ID=NCLIV_041690 + 15 CAGTTCG
 2681114,2683006,1893,END:Starts:2679501-2679460-2682486-
 2683308,2684169,862,EXACT,AG-GT
 2684696,2684854,159,EXACT,AG-GT

2685110,2685213,104,START: end 5 AG
2685460,2685551,92,END: start 9 GT
2685807,2686575,769,EXACT,AG-GT
2686914,2687363,450,EXACT,AG-GT
2687582,2687819,238,EXACT,AG-GT
2688329,2688951,623,EXACT,AG-GT
2689710,2690228,519,EXACT,AG-GT
2690844,2691812,969,EXACT,AG-GT
2692277,2692348,72,EXACT,AG-GT
2692862,2692968,107,EXACT,AG-GT
2693192,2693253,62,EXACT,AG-GT
2693610,2693668,59,START:Ends:2695261-2695245-2695251-
ID=NCLIV_041710 + 19 TCGATGG
2702354,2702726,373,END:EXACT
2703391,2703540,150,EXACT,AG-GT
2703930,2703977,48,EXACT,AG-GT
2704470,2704621,152,EXACT,AG-GT
2705110,2705234,125,EXACT,AG-GT
2705325,2705476,152,EXACT,AG-GT
2706103,2706337,235,EXACT,AG-GT
2706681,2706729,49,EXACT,AG-GT
2707105,2707164,60,EXACT,Info:Stop Codon:AG-GC-AG-GT-
2707615,2707660,46,EXACT,GT
2707895,2707973,79,EXACT,AG-GT
2708226,2708412,187,EXACT,AG-GT
2708910,2709070,161,EXACT,AG-GT
2709385,2709511,127,EXACT,AG-GT
2709909,2710016,108,EXACT,AG-GT
2710565,2710616,52,EXACT,AG-GT
2711137,2711204,68,EXACT,AG-GT
2711744,2711817,74,EXACT,AG-GT
2712149,2712200,52,START:Ends:2712944-2712902-2712901-
ID=NCLIV_041730 + 1 A..ATG
2722625,2723599,975,OVER:Starts:2722585-2722592-
ID=NCLIV_041740 + 6 A..ATG
2727116,2727788,673,END:Starts:2724934-2725968-2725284-
2728342,2728468,127,EXACT,AG-GT
2728729,2729169,441,END: start 81 AG-GT (ref:AG-GT)<< Possible error
2729548,2730100,553,EXACT,AG-GT
2730358,2731207,850,EXACT,AG-GT
2731734,2731942,209,START:Ends:2734037-2734094-2734075-
ID=NCLIV_041750 + 1 G..ATGG
2738517,2742497,3981
ID=NCLIV_041760 + 5 A..ATG
2746682,2747191,510,END:Starts:2745930-2745965-2745986-
2747770,2747992,223,EXACT,AG-GT
2748503,2748912,410,EXACT,AG-GT
2749360,2749470,111,EXACT,AG-GT
2749968,2751797,1830,START:Ends:2753994-2753697-
ID=NCLIV_041790 + 1 A..ATG
2775576,2778323,2748,OVER:Ends:2780413-2780630-2780537-
ID=NCLIV_041810 + 3 A..ATG
2786067,2786222,156,END:Starts:2784052-2785573-2785458-
2786585,2786798,214,EXACT,AG-GT
2787176,2787669,494,START:Ends:2789043-2788787-
ID=NCLIV_041820 + 22 A..ATG
2791919,2792199,281
2792745,2792781,37
2793314,2793385,72,EXACT,GT
2793958,2794038,81,EXACT,AG-GT

2794178,2794617,440,EXACT,AG-GT
 2795229,2795809,581,EXACT,AG-GT
 2796358,2796482,125,START: end -16 AG
 2796811,2796890,80,END: start -4 GT
 2797828,2798287,460,EXACT,AG-GT
 2798504,2798626,123,EXACT,AG-GT
 2799194,2799527,334,EXACT,AG-GT
 2800025,2800456,432,START: end -39 AG
 2800817,2801053,237
 2801568,2802835,1268
 2803203,2803474,272
 2803642,2803775,134
 2804013,2804195,183
 2804696,2804880,185
 2805313,2805498,186
 2805784,2805929,146
 2806263,2806340,78
 2806771,2806921,151
 ID=NCLIV_041860 + 4 GGAATGT
 2821287,2821365,79,END:Starts:2820689-2820711-
 2821592,2821663,72,EXACT,ATG:AG-GT
 2822082,2822294,213,START: end -14 AG
 2822707,2822945,239,OVER:Starts:2822707-2822689-
 ID=NCLIV_041880 + 7 A..ATG
 2836181,2836205,25,OVER:Starts:2834261-2834512-2835656-
 2836669,2836833,165,EXACT,AG-GT
 2836939,2837214,276,EXACT,AG-GT
 2837871,2837991,121,EXACT,AG-GT
 2838317,2838569,253,EXACT,AG-GT
 2838993,2839116,124,EXACT,AG-GT
 2840360,2840496,137,START:Ends:2841388-2841507-2843909-
 ID=NCLIV_041900 + 9 A..ATG
 2843727,2843909,183,END:Starts:2843457-2843467-
 2844209,2844329,121,START: end 249 AG-GT (ref:AG-GT)<< Possible error
 2844427,2844578,152,END: start -218 AG-GT (ref:AG-GT)<< Possible error
 2844717,2844918,202,EXACT,AG-GT
 2845022,2845242,221,EXACT,AG-GT
 2845348,2845659,312,EXACT,AG-GT
 2845764,2845958,195,EXACT,AG-GT
 2846070,2846231,162,EXACT,AG-GT
 2846392,2846592,201,START:Ends:2847074-2847106-2847076-
 ID=NCLIV_041920 + 6 A..ATG
 2848658,2848856,199
 2849347,2849555,209
 2849654,2849714,61
 2849922,2850025,104
 2850148,2850214,67
 2850684,2850748,65
 ID=NCLIV_041950 + 1 A..ATG
 2862588,2864390,1803
 ID=NCLIV_041960 + 1 A..ATG
 2871028,2878188,7161
 ID=NCLIV_041980 + 2 CCTATGG
 2893552,2893877,326
 2893932,2894355,424
 ID=NCLIV_042000 + 2 A..ATG
 2907325,2907531,207,END:Starts:2907072-2907062-2907093-
 2908297,2908479,183,START:Ends:2908683-2908667-2908643-
 ID=NCLIV_042020 + 1 A..ATG
 2915891,2917183,1293

ID=NCLIV_042050 + 1 GCAATGT
 2938440,2939138,699
 ID=NCLIV_042060 + 6 G..ATGG
 2942345,2943334,990,END:EXACT
 2943716,2944144,429,START: end -4 AG
 2944922,2945137,216,END: start -146 GT (ref:AG-GT)<< Possible error
 2945413,2945616,204,EXACT,AG-GT
 2945989,2946073,85,EXACT,AG-GT
 2946676,2947544,869,START:Ends:2948305-2948736-2948306-
 ID=NCLIV_042070 + 9 A..ATG
 2949748,2949837,90,END:Starts:2949208-2949007-2949247-
 2950298,2950343,46,EXACT,AG-GT
 2950796,2950949,154,EXACT,AG-GT
 2951446,2951536,91,START: end 9 AG-GC (ref:AG-GT)<< Possible error
 2951929,2952057,129,EXACT,AG-GT
 2952609,2952710,102,EXACT,AG-GT
 2953240,2953296,57,START: end 358 AG-GT (ref:AG-GT)<< Possible error
 2953528,2953654,127,END: start -288 AG-GT (ref:AG-GT)<< Possible error
 2953947,2954149,203,START:Ends:2954414-2954476-2954330-
 ID=NCLIV_042100 + 5 A..ATG
 2967122,2967215,94
 2967300,2967343,44
 2967399,2967438,40
 2967499,2967569,71
 2967624,2967692,69
 ID=NCLIV_042130 + 3 A..ATG
 2985177,2985351,175,END:Starts:2984680-2984697-2984702-
 2986135,2986398,264,START: end 136 AG
 2986506,2986534,29,END:EXACT
 ID=NCLIV_042160 + 7 G..ATGG
 2999006,2999182,177
 3000611,3000812,202
 3001109,3001338,230
 3001820,3002134,315,OVER: start -196 and end 754 GT
 3002472,3002687,216,OVER: start -848 and end 201 GT
 3003372,3003542,171,EXACT,AG-GT
 3003986,3004231,246,START:Ends:3005042-3005151-
 ID=NCLIV_042210 + 6 A..ATG
 3069666,3069722,57,OVER:Starts:3070452-3069101-
 3070450,3070521,72,END: start -1349 GT
 3070884,3071270,387,END: start 335 GT
 3071747,3071809,63,EXACT,AG
 3072266,3073228,963
 3073705,3073959,255
 ID=NCLIV_042220 + 9 A..ATG
 3079810,3079849,40
 3081095,3081211,117
 3081455,3081786,332
 3082124,3082229,106
 3082568,3082683,116
 3083457,3083627,171
 3084211,3084499,289
 3085115,3085581,467
 3085922,3086209,288
 ID=NCLIV_042230 + 12 A..ATG
 3088771,3088972,202,END:Starts:3088020-3088015-3088057-
 3089634,3089720,87,EXACT,AG-GT
 3090328,3090398,71,START: end 434 AG-GT (ref:AG-GT)<< Possible error
 3090612,3090832,221,END: start -284 AG-GT (ref:AG-GT)<< Possible error
 3091169,3091362,194,EXACT,AG-GT

3091774,3093852,2079,START: end 200 AG
 3094715,3094827,113,END: start -16 GT (ref:AG-GT)<< Possible error
 3095238,3095307,70,EXACT,ATG:AG-GT
 3095449,3095690,242,EXACT,AG-GT
 3096224,3096340,117,EXACT,AG-GT
 3096597,3096699,103,EXACT,AG-GT
 3096992,3097122,131,START:Ends:3098010-3098038-3097973-
 ID=NCLIV_042250 + 3 A..ATG
 3115908,3115943,36,END:Starts:3115783-3115794-3115784-
 3116436,3116501,66,EXACT,AG-GT
 3117226,3117288,63,START:EXACT
 ID=NCLIV_042260 + 6 [CT]..ATG[ACT]
 3120384,3121283,900,END:Starts:3119753-3119737-3121064-
 3121749,3121786,38,EXACT,AG-GT
 3122041,3122253,213,EXACT,TAG|TGA|TAA:AG-GT
 3122948,3123038,91,END: start -124 AG-GT (ref:AG-GT)<< Possible error
 3123296,3123385,90,EXACT,AG-GT
 3123843,3123944,102,START:Ends:3126622-3124423-3126608-
 ID=NCLIV_042290 + 1 A..ATG
 3169739,3170833,1095
 ID=NCLIV_042291 + 1 A..ATG
 3172367,3173524,1158
 ID=NCLIV_042292 + 1 A..ATG
 3175063,3176217,1155
 ID=NCLIV_042293 + 1 A..ATG
 3177734,3178891,1158
 ID=NCLIV_042294 + 1 A..ATG
 3180408,3181565,1158
 ID=NCLIV_042295 + 1 A..ATG
 3183142,3184236,1095
 ID=NCLIV_042296 + 1 [CT]..ATG[ACT]
 3185764,3186921,1158
 ID=NCLIV_042310 + 11 CCAATGG
 3196480,3196564,85,END:Starts:3196492-3196474-
 3197527,3197654,128,EXACT,AG-GT
 3198022,3198234,213,EXACT,AG-GT
 3198684,3198779,96,EXACT,AG-GT
 3199309,3199478,170,EXACT,AG-GT
 3199749,3199826,78,EXACT,AG-GT
 3200088,3200289,202,EXACT,AG-GT
 3200563,3200646,84,EXACT,AG-GT
 3201189,3201422,234,EXACT,AG-GT
 3201540,3201596,57,EXACT,AG-GT
 3202024,3202107,84,START:Ends:3202935-3202915-3203159-
 ID=NCLIV_042330 + 2 A..ATG
 3210982,3211260,279,END:Starts:3210670-3210704-3210710-
 3211876,3212094,219,START:Ends:3212874-3212890-3212887-
 ID=NCLIV_042340 + 2 A..ATG
 3215619,3216557,939,END:Starts:3214120-3214125-3215582-
 3216829,3217572,744,START:Ends:3218179-3218746-3219180-
 ID=NCLIV_042400 + 3 A..ATG
 3249800,3249878,79,OVER:Starts:3248815-3244819-
 3250834,3251041,208,EXACT,AG-GT
 3251288,3251351,64,START:Ends:3251467-3254118-3254100-
 ID=NCLIV_042470 + 6 A..ATG
 3310843,3311537,695
 3311899,3312253,355
 3312459,3312867,409,EXACT,AG-GT
 3312975,3313172,198,EXACT,AG-GT
 3313866,3314117,252,EXACT,AG-GT

3314304,3314515,212,START:Ends:3315099-3315109-3314569-
 ID=NCLIV_042480 + 8 A..ATG
 3316564,3316677,114
 3316885,3316977,93,EXACT,GT
 3317148,3317180,33,EXACT,ATG:AG-GT
 3317486,3317577,92,EXACT,AG-GT
 3317844,3317919,76,EXACT,AG
 3318239,3318323,85,EXACT,AG-GT
 3318657,3318703,47,EXACT,AG-GT
 3318898,3318984,87,START:Ends:3319818-3319836-3319034-
 ID=NCLIV_042500 + 12 A..ATG
 3328974,3329127,154,END:Starts:3328099-3328109-3328329-
 3330034,3330239,206,EXACT,AG-GT
 3330730,3332019,1290,EXACT,AG-GT
 3332868,3332975,108,EXACT,AG-GT
 3333180,3333266,87,EXACT,AG-GT
 3333538,3333751,214,EXACT,AG-GT
 3334175,3334494,320,EXACT,AG-GT
 3334849,3335086,238,EXACT,AG-GT
 3335486,3335823,338,EXACT,AG-GT
 3336567,3336648,82,EXACT,AG-GT
 3337041,3337186,146,EXACT,AG-GT
 3337486,3337605,120,START:Ends:3342036-3341840-3341903-
 ID=NCLIV_042510 + 1 A..ATG
 3338915,3339883,969,OVER:Ends:3342036-3341840-3341903-
 ID=NCLIV_042530 + 10 A..ATG
 3358787,3360211,1425
 3360465,3360627,163
 3361125,3361780,656
 3361972,3362152,181
 3362576,3362688,113,EXACT,GT
 3363323,3364901,1579,START: end -486 AG
 3365049,3365194,146
 3365850,3365960,111
 3366433,3366508,76
 3367093,3367316,224
 ID=NCLIV_042550 + 8 GCGATGA
 3373208,3373243,36
 3373907,3374764,858
 3375304,3375366,63
 3375692,3375787,96
 3376065,3376123,59
 3376480,3376533,54,END: start 7 GT
 3376891,3376955,65,EXACT,AG-GT
 3377315,3377637,323,START:Ends:3377986-3379946-
 ID=NCLIV_042590 + 8 A..ATG
 3404041,3404115,75,END:Starts:3403688-3403694-3403691-
 3404332,3404406,75,EXACT,AG-GT
 3404806,3404940,135,EXACT,AG-GT
 3405566,3405836,271,EXACT,AG-GT
 3406325,3406424,100
 3406670,3406815,146,END: start -16 AG-GT (ref:AG-GT)<< Possible error
 3407143,3407205,63,EXACT,AG-GT
 3407316,3407536,221,START:Ends:3407923-3407935-3407898-
 ID=NCLIV_042620 + 2 [CT]..ATG[ACT]
 3428237,3433151,4915,END:Starts:3431595-3431884-
 3433547,3436899,3353,START:Ends:3434592-3437467-
 ID=NCLIV_042640 + 8 A..ATG
 3454131,3454173,43
 3455480,3456177,698,END: start 130 GT

3456452,3456585,134,START: end -3 AG-GT
 3457287,3457383,97
 3457756,3458037,282,EXACT,AG-GT
 3458368,3458750,383,EXACT,AG-GT
 3459342,3459504,163,EXACT,AG-GT
 3460037,3460141,105,START:Ends:3460629-3460637-
 ID=NCLIV_042660 + 9 A..ATG
 3470582,3470665,84,END:Starts:3469310-3470550-
 3471108,3471331,224,START: end 440 AG-GT
 3471469,3471771,303,END: start -361 AG-GT
 3472045,3472144,100,EXACT,AG-GT
 3472494,3472607,114,EXACT,AG-GT
 3473014,3473257,244,EXACT,AG-GT
 3473405,3473744,340,EXACT,AG-GT
 3474212,3474368,157,EXACT,AG-GT
 3474844,3474972,129,START:Ends:3475430-3475302-
 ID=NCLIV_042680 + 1 A..ATG
 3491109,3492113,1005
 ID=NCLIV_042690 + 13 A..ATG
 3498071,3498091,21
 3498750,3498842,93
 3499229,3499732,504,END: start 405 GT
 3500420,3500520,101,EXACT,AG-GT
 3501012,3501255,244,EXACT,AG-GT
 3501964,3502059,96,EXACT,AG-GT
 3502327,3502782,456,START: end -24 AG
 3503259,3503566,308,END: start 43 GT
 3504245,3504560,316,EXACT,AG-GT
 3505243,3505521,279,EXACT,AG-GT
 3506094,3506723,630,EXACT,AG-GT
 3507020,3507117,98,EXACT,AG-GT
 3507402,3507501,100,START:Ends:3508070-3507973-
 ID=NCLIV_042700 + 7 [CT]..ATG[ACT]
 3514127,3514140,14
 3514546,3514628,83
 3515127,3515260,134
 3515595,3515632,38,END: start 1 GT (ref:AG-GT)<< Possible error
 3516190,3516244,55,EXACT,AG-GT
 3516730,3516773,44,EXACT,AG-GT
 3517465,3517609,145,START:Ends:3518600-3518617-
 ID=NCLIV_042710 + 9 A..ATG
 3520909,3522302,1394,END:Starts:3519729-3520240-3521589-
 3522624,3522744,121,EXACT,AG-GT
 3523207,3523328,122,EXACT,AG-GT
 3523876,3524165,290,EXACT,AG-GT
 3524645,3524915,271,EXACT,AG-GT
 3525582,3525684,103,EXACT,AG-GT
 3526248,3526361,114,EXACT,AG-GT
 3526743,3526850,108,EXACT,AG-GT
 3527440,3527775,336,START:Ends:3528582-3528614-3528621-
 ID=NCLIV_042730 + 1 GTCATGC
 3543136,3545190,2055
 ID=NCLIV_042740 + 6 CAAATGG
 3547861,3550175,2315,OVER:Starts:3546839-3546865-3549762-
 3550444,3550815,372,EXACT,AG-GT
 3551071,3551359,289,EXACT,AG-GT
 3551601,3551748,148,EXACT,TAG|TGA|TAA:AG-GT
 3551907,3552109,203,START: end -5 AG
 3552370,3552552,183,OVER:Ends:3552895-3552981-
 ID=NCLIV_042760 + 7 A..ATG

3562451,3562588,138
 3563080,3563227,148
 3563613,3563698,86
 3564371,3564508,138,EXACT,GT
 3564908,3565003,96,START: end 436 Info:donor=CT-TAG|TGA|TAA:AG-GT-AG-GT-
 3565219,3565321,103,START: end 619 TAG|TGA|TAA:AG-GT
 3565561,3565769,209,OVER:Starts:3565219-3564908-
 ID=NCLIV_042780 + 4 A..ATG
 3572158,3573036,879,END:Starts:3570754-3570927-
 3573502,3574133,632,START: end 701 AG
 3574980,3575526,547,END: start 6 GT (ref:AG-GT)<< Possible error
 3575900,3575998,99,START:EXACT
 ID=NCLIV_042790 + 3 A..ATG
 3581003,3582559,1557
 3583120,3583348,229
 3583652,3584685,1034
 ID=NCLIV_042800 + 5 CTGATGG
 3591295,3591433,139
 3591489,3591558,70
 3591612,3591665,54
 3591733,3591808,76
 3591866,3592057,192
 ID=NCLIV_042830 + 22 A..ATG
 3624710,3624971,262
 3626724,3626754,31,EXACT,GT
 3627281,3627359,79,EXACT,AG-GT
 3627692,3628028,337,EXACT,AG-GT
 3628300,3628364,65,EXACT,AG-GT
 3628694,3628810,117,EXACT,AG-GT
 3629828,3629974,147,EXACT,AG-GT
 3630368,3630459,92,EXACT,AG-GT
 3630744,3630908,165,EXACT,AG-GT
 3631149,3631254,106,EXACT,AG-GT
 3631654,3631725,72,EXACT,AG-GT
 3632074,3632295,222,EXACT,AG-GT
 3632668,3633121,454,END: start 356 GT
 3633584,3633809,226,EXACT,AG-GT
 3634487,3634726,240,EXACT,AG-GT
 3635549,3635651,103,EXACT,AG-GT
 3636060,3636210,151,EXACT,AG-GT
 3636484,3636629,146,EXACT,AG-GT
 3637158,3637350,193,EXACT,AG-GT
 3637919,3637999,81,EXACT,AG-GT
 3638741,3638922,182,EXACT,Info:AG-GT-acceptor=TT-AG-GC-
 3639532,3639603,72,START:Ends:3644527-3640212-
 ID=NCLIV_042870 + 9 A..ATG
 3666327,3666572,246
 3666982,3666993,12
 3667201,3667383,183
 3670565,3670754,190,EXACT,AG-GT
 3671129,3671245,117,EXACT,AG-GT
 3671583,3671813,231,EXACT,AG-GT
 3672134,3672321,188,EXACT,AG-GT
 3672927,3672992,66,START: end -5 AG
 3673599,3673796,198
 ID=NCLIV_042900 + 5 A..ATG
 3714996,3716636,1641,END:Starts:3713973-3714177-
 3716821,3716993,173,START: end 53 AG
 3717274,3717359,86,START: end 716 AG
 3718013,3718119,107

3718679,3719638,960
ID=NCLIV_042910 + 2 G..ATGG
3721662,3721788,127,END:Starts:3721472-3721433-
3722410,3723263,854,START:Ends:3723890-3723914-
ID=NCLIV_042920 + 9 A..ATG
3726419,3728758,2340
3729053,3729222,170
3729702,3729890,189
3730493,3730690,198
3731265,3731490,226
3732094,3732197,104,EXACT,GT
3732511,3734627,2117,END: start 402 GT
3735272,3735330,59,END: start -388 AG-GT (ref:AG-GT)<< Possible error
3735804,3735989,186
ID=NCLIV_042930 + 5 A..ATG
3740033,3740374,342
3741468,3741605,138
3742105,3742353,249
3743206,3743268,63
3743564,3747802,4239
ID=NCLIV_042950 + 14 GAAATGC
3754558,3754840,283
3755455,3755735,281
3756216,3756455,240
3757239,3757448,210,EXACT,AG-GT
3757933,3758082,150,START: end 374 AG-GC
3758841,3759371,531
3759452,3759683,232,EXACT,AG-GT
3760135,3760991,857,EXACT,AG-GT
3761556,3761636,81,EXACT,AG-GT
3762045,3762377,333,EXACT,AG-GT
3762684,3763610,927,EXACT,AG-GT
3764251,3764469,219,START: end 1239 AG-GT
3765253,3765708,456,END: start -1002 AG-GT
3765888,3766601,714,START:Ends:3767083-3767196-
ID=NCLIV_042960 + 15 A..ATG
3769068,3770964,1897
3771308,3771386,79
3771586,3771620,35
3772216,3772285,70
3772596,3772722,127
3772974,3773052,79
3773427,3773724,298
3774421,3774494,74
3775312,3775405,94,END: start -2 GT
3775941,3776061,121,EXACT,AG-GT
3776743,3776809,67,EXACT,AG-GT
3777321,3777441,121,EXACT,AG-GT
3778134,3778212,79,EXACT,AG-GT
3778409,3778475,67,EXACT,TAG|TGA|TAA:AG-GT
3778829,3778923,95,START:Ends:3780214-3780505-
ID=NCLIV_042970 + 3 [CT]..ATG[ACT]
3782439,3783813,1375
3784574,3784656,83
3784770,3785684,915
ID=NCLIV_042980 + 11 G..ATGG
3787900,3788470,571,END:Starts:3786829-3787073-3786962-
3788715,3789260,546,EXACT,AG-GT
3789770,3790703,934,EXACT,AG-GT
3790987,3792199,1213,EXACT,AG-GT

3792502,3792829,328,EXACT,AG-GT
 3793209,3793423,215,EXACT,AG-GT
 3793729,3794874,1146,EXACT,AG-GT
 3795298,3795562,265,EXACT,AG-GT
 3795929,3796374,446,EXACT,AG-GT
 3796840,3799037,2198,EXACT,AG-GT
 3799252,3799378,127,START:Ends:3800398-3800486-3800471-
 ID=NCLIV_042990 + 7 GACATGT
 3804354,3804986,633
 3805505,3805876,372
 3806864,3807644,781
 3808017,3808186,170
 3808432,3808774,343
 3809425,3809569,145
 3809954,3809990,37
 ID=NCLIV_043060 + 5 GGTATGC
 3876296,3876939,644,WITHIN:Starts:3876427-3876431-3876451-
 3877264,3877358,95,START: end -2 AG-GT (ref:AG-GT)<< Possible error
 3877782,3877973,192,EXACT,ATG:AG-GT
 3878396,3878493,98,EXACT,AG-GT
 3879148,3879498,351,START:EXACT
 ID=NCLIV_043070 + 4 A..ATG
 3883014,3883044,31,END:Starts:3881996-3881994-3882036-
 3883722,3883807,86,EXACT,AG-GT
 3884188,3884574,387,EXACT,AG-GT
 3884946,3885176,231,START:EXACT
 ID=NCLIV_043080 + 8 A..ATG
 3889505,3889508,4
 3890118,3890190,73
 3891043,3891425,383
 3891729,3891948,220
 3892720,3894438,1719
 3894842,3895384,543
 3895700,3896070,371
 3896594,3897738,1145
 ID=NCLIV_043100 + 5 G..ATGG
 3908837,3909782,946
 3910397,3911292,896,END: start -206 GT
 3911876,3911993,118,START: end 69 GT
 3912329,3912442,114,EXACT,AG-GT
 3913061,3914469,1409,OVER:Starts:3912483-3913164-
 ID=NCLIV_043120 + 7 CTCATGG
 3921981,3923149,1169,END:Starts:3920866-3920367-
 3923619,3924717,1099,START: end 2 AG
 3924939,3925622,684,END: start 651 GT
 3926141,3926605,465,EXACT,GT
 3927063,3927136,74,START: end -7 AG
 3927668,3927853,186,END: start -174 GT (ref:AG-GT)<< Possible error
 3928262,3928826,565,START:Ends:3929608-3929705-3929625-
 ID=NCLIV_043140 + 7 A..ATG
 3935873,3935938,66,END:Starts:3935518-3935516-
 3936140,3936379,240,EXACT,AG-GT
 3936760,3936870,111,EXACT,AG-GT
 3937243,3937338,96,EXACT,AG-GT
 3937717,3938003,287,START: end -15 AG
 3938180,3938303,124,END: start 1 GT (ref:AG-GT)<< Possible error
 3939081,3939248,168,START:Ends:3939550-3939684-3942170-
 ID=NCLIV_043160 + 6 G..ATGG
 3944815,3945125,311
 3945181,3945244,64

3945310,3945444,135
3945507,3945569,63
3945627,3945725,99
3945784,3945834,51
ID=NCLIV_043200 + 5 A..ATG
3969404,3969563,160,END:Starts:3967826-3967741-
3970131,3970207,77,EXACT,AG-GT
3970769,3970844,76,EXACT,AG-GT
3971173,3971320,148,EXACT,AG-GT
3972235,3972382,148,START:Ends:3973953-3972581-3972984-
ID=NCLIV_043210 + 8 [CT]..ATG[ACT]
3978524,3978647,124
3980542,3980569,28
3981707,3981788,82,END: start -794 GT
3982753,3982857,105,END: start 28 ATG:AG-GT (ref:AG-GT)<< Possible error
3983150,3983254,105,EXACT,AG-GT
3983488,3983585,98,EXACT,AG-GT
3984147,3984342,196,EXACT,AG-GT
3984694,3984738,45,START:Ends:3985196-3985206-3985234-
ID=NCLIV_043240 + 5 GCGATGA
4002321,4002456,136
4002513,4002619,107
4002674,4002748,75
4002810,4002857,48
4002911,4003108,198
ID=NCLIV_043260 + 10 A..ATG
4009180,4009205,26
4009612,4009681,70
4009974,4010132,159,END: start -157 GT
4010911,4010959,49,EXACT,AG-GT
4011539,4011605,67,EXACT,AG-GT
4011983,4012134,152,EXACT,ATG:AG-GT
4012561,4012695,135,EXACT,AG-GT
4012950,4014415,1466,EXACT,AG-GT
4014665,4014743,79,START: end -8 AG
4015085,4015101,17
ID=NCLIV_043280 + 1 A..ATG
4020951,4022609,1659
ID=NCLIV_043300 + 8 A..ATG
4027368,4027373,6,END:Starts:4027110-4027112-4027128-
4027803,4028055,253,EXACT,AG-GT
4028826,4028933,108,EXACT,AG-GT
4029177,4030013,837,EXACT,AG-GT
4030214,4030392,179,START: end 1614 AG-GT
4031640,4032006,367,END: start -1426 AG-GT
4032732,4032956,225,EXACT,AG-GT
4033341,4033498,158,START:Ends:4033956-4034027-4034044-
ID=NCLIV_043310 + 5 A..ATG
4035623,4036706,1084,OVER:Starts:4035579-4035176-4037489-
4037345,4038104,760,END: start -1766 GT (ref:AG-GT)<< Possible error
4038223,4038292,70,EXACT,AG-GT
4038751,4039147,397,EXACT,AG-GT
4039390,4039859,470,START:Ends:4040333-4040332-4042294-
ID=NCLIV_043400 + 11 TCTATGG
4099911,4100336,426,END:Starts:4099244-4099288-4099315-
4100863,4101164,302,EXACT,AG-GT
4101855,4101978,124,EXACT,AG-GT
4102468,4102537,70,EXACT,AG-GT
4102911,4103020,110,EXACT,AG-GT
4103628,4103741,114,EXACT,AG-GT

4103930,4104091,162,EXACT,AG-GT
 4104425,4104550,126,EXACT,AG-GT
 4104756,4104848,93,START: end 152 AG
 4105129,4105221,93,END: start -183 GT (ref:AG-GT)<< Possible error
 4105564,4105608,45,START:Ends:4106023-4106025-4105614-
 ID=NCLIV_043420 + 1 A..ATG
 4126236,4127309,1074
 ID=NCLIV_043430 + 1 A..ATG
 4130603,4131676,1074
 ID=NCLIV_043440 + 1 A..ATG
 4134462,4135556,1095
 ID=NCLIV_043441 + 1 A..ATG
 4138143,4139216,1074
 ID=NCLIV_043450 + 1 A..ATG
 4142486,4143559,1074
 ID=NCLIV_043460 + 1 A..ATG
 4146352,4147425,1074
 ID=NCLIV_043470 + 1 A..ATG
 4151269,4152345,1077
 ID=NCLIV_043480 + 1 A..ATG
 4155616,4156698,1083
 ID=NCLIV_043490 + 1 A..ATG
 4158923,4160002,1080
 ID=NCLIV_043520 + 10 [CT]..ATG[ACT]
 4182146,4182186,41,END:Starts:4181711-4181691-
 4182715,4182805,91,START: end 582 AG-GT
 4183324,4183387,64,END: start -609 AG-GT
 4183982,4184553,572,EXACT,AG-GT
 4185073,4185168,96,EXACT,AG-GT
 4185437,4185538,102,EXACT,AG-GT
 4186185,4186226,42,EXACT,AG-GT
 4186406,4186468,63,START: end -4 AG
 4186808,4187324,517
 4188061,4188176,116
 ID=NCLIV_043550 + 9 A..ATG
 4212263,4212316,54
 4212969,4213058,90
 4213257,4213448,192
 4214307,4214463,157
 4214900,4215054,155
 4216056,4216205,150
 4217215,4217367,153
 4218520,4218738,219
 4219170,4219544,375
 ID=NCLIV_043570 + 5 GCCATGT
 4232499,4233547,1049
 4234288,4234520,233
 4235007,4235104,98
 4235384,4235511,128
 4235964,4236168,205
 ID=NCLIV_043590 + 2 G..ATGG
 4254636,4258718,4083,END:Starts:4257737-4257994-
 4259218,4262277,3060,START:Ends:4259967-4260068-
 ID=NCLIV_043620 + 10 TCGATGG
 4284557,4284899,343,END:Starts:4283438-4283637-4283529-
 4285139,4285275,137,EXACT,AG-GT
 4285758,4286036,279,EXACT,AG-GT
 4286286,4286418,133,EXACT,AG-GT
 4286938,4287092,155,EXACT,AG-GT
 4287698,4287822,125,EXACT,AG-GT

4287984,4288144,161,EXACT,AG-GT
 4288586,4288817,232,EXACT,AG-GT
 4289435,4289720,286,EXACT,AG-GT
 4290482,4290652,171,START:Ends:4291545-4292938-4291674-
 ID=NCLIV_043630 + 1 GCAATGA
 4293922,4295115,1194
 ID=NCLIV_043640 + 9 A..ATG
 4297045,4297116,72,END:Starts:4296204-4295952-4296368-
 4297476,4297644,169,EXACT,AG-GT
 4298121,4298668,548,EXACT,AG-GT
 4298991,4299155,165,EXACT,AG-GT
 4299777,4299920,144,END: start 30 AG-GT (ref:AG-GT)<< Possible error
 4300313,4300517,205,EXACT,AG-GT
 4300644,4300874,231,EXACT,AG-GT
 4301144,4301292,149,EXACT,AG-GT
 4301559,4301960,402,START:Ends:4302884-4303836-4303961-
 ID=NCLIV_043660 + 1 G..ATGG
 4310938,4314297,3360
 ID=NCLIV_043700 + 7 A..ATG
 4329335,4331749,2415,END:Starts:4331193-4327438-4330162-
 4332081,4332123,43,START: end 134 AG-GC (ref:AG-GT)<< Possible error
 4332789,4332841,53,END: start -55 AG-GT (ref:AG-GT)<< Possible error
 4333116,4333213,98,START: end -50 AG
 4333502,4333589,88
 4333974,4334065,92
 4334212,4337461,3250
 ID=NCLIV_043720 + 1 A..ATG
 4349503,4350771,1269
 ID=NCLIV_043730 + 27 A..ATG
 4353177,4353305,129
 4353764,4354601,838
 4355478,4356450,973
 4356935,4357767,833,OVER: start -522 and end 2550 GT
 4359262,4359475,214,OVER: start -2849 and end 842 GT
 4359927,4360317,391,END: start -3514 GT
 4361025,4361619,595,START: end -20 AG
 4362696,4362847,152
 4363425,4363524,100
 4364148,4364200,53
 4364557,4364961,405
 4365344,4365501,158
 4366170,4367108,939
 4367307,4368880,1574,END: start 379 GT
 4369495,4369698,204,EXACT,AG-GT
 4370234,4370504,271,EXACT,AG
 4371331,4371493,163,EXACT,GT
 4371827,4373013,1187,EXACT,AG-GT
 4373437,4373715,279,START: end 972 AG-GT (ref:AG-GT)<< Possible error
 4374131,4374239,109,OVER: start -694 and end 448 AG-GT (ref:AG-GT)<< Possible error
 4374558,4374687,130,END: start -1121 AG-GT (ref:AG-GT)<< Possible error
 4375307,4375481,175,EXACT,AG-GT
 4376371,4376746,376,EXACT,AG-GT
 4376935,4379566,2632,START: end 2 AG
 4379817,4380817,1001
 4381367,4382080,714
 4382299,4382574,276
 ID=NCLIV_043750 + 8 A..ATG
 4400612,4400881,270
 4402111,4402203,93
 4402595,4402990,396

4403454,4403909,456
4404390,4404710,321
4405110,4405464,355
4406401,4406573,173
4407226,4407270,45,START:Ends:4409404-4408396-
ID=NCLIV_043790 + 1 A..ATG
4429879,4432458,2580
ID=NCLIV_043785 + 4 A..ATG
4435112,4438277,3166,END:Starts:4434197-4434477-4434380-
4438917,4439024,108,EXACT,AG-GT
4439529,4439634,106,EXACT,AG-GT
4439769,4439937,169,START:Ends:4441126-4441133-4441285-
ID=NCLIV_043800 + 5 A..ATG
4442782,4442892,111,END:Starts:4442776-4442408-4442435-
4443162,4443345,184,EXACT,AG-GT
4443931,4444122,192,EXACT,AG-GT
4444663,4444730,68,EXACT,AG-GT
4445355,4445402,48,START:Ends:4446371-4446338-4445368-
ID=NCLIV_043870 + 7 [CT]..ATG[ACT]
4484281,4485318,1038
4485738,4486037,300,END: start -7 GT
4486396,4486485,90,EXACT,AG-GT
4486732,4487139,408,EXACT,AG-GT
4487589,4487715,127,START: end 266 AG-GT (ref:AG-GT)<< Possible error
4488403,4488486,84,START: end 590 AG
4490211,4491313,1103
ID=NCLIV_043900 + 10 A..ATG
4511046,4511376,331
4511857,4511960,104,EXACT,AG-GT
4512480,4512569,90,EXACT,AG
4512926,4513171,246
4513538,4513693,156,END: start 1 GT (ref:AG-GT)<< Possible error
4514134,4514208,75,EXACT,AG-GT
4514483,4514556,74,EXACT,TAG|TGA|TAA:AG-GT
4514977,4515388,412,START: end -201 AG-GT (ref:AG-TG)<< Possible error
4515755,4515964,210,END: start 162 AG-GT (ref:GT-GT)<< Possible error
4516511,4516660,150,START:Ends:4519293-4528098-
ID=NCLIV_043930 + 16 CCCATGG
4533577,4535215,1639,END:Starts:4531722-4531727-4531748-
4536444,4536680,237,EXACT,AG-GT
4536999,4537329,331,EXACT,AG-GT
4537523,4537675,153,EXACT,ATG:AG-GT
4538106,4538538,433,EXACT,ATG:AG-GT
4539134,4539487,354,EXACT,AG-GT
4539769,4540228,460,EXACT,AG-GT
4540714,4540865,152,EXACT,AG-GT
4541704,4541795,92,EXACT,ATG:AG-GT
4542041,4542941,901,EXACT,AG
4543381,4543603,223,EXACT,AG-GT
4543951,4544115,165,EXACT,AG-GT
4544422,4544494,73,EXACT,AG-GT
4544589,4544720,132,EXACT,AG-GT
4544911,4545175,265,EXACT,AG-GT
4545570,4545776,207,START:Ends:4546508-4546513-4546523-
ID=NCLIV_043970 + 9 CCCATGG
4582015,4583009,995,END:Starts:4581291-4581309-4581310-
4583827,4583913,87,EXACT,AG-GT
4584306,4584372,67,EXACT,AG-GT
4584970,4585296,327,EXACT,AG-GT
4585590,4585765,176,EXACT,AG-GT

4586022,4586111,90,EXACT,AG-GT
 4586688,4586890,203,EXACT,AG-GT
 4587452,4587562,111,EXACT,AG-GT
 4588082,4588950,869,START:Ends:4589076-4589465-4589494-
 ID=NCLIV_043980 + 9 A..ATG
 4590934,4591041,108,END:Starts:4590676-4590049-
 4591721,4591787,67,END: start -16 AG-GT (ref:AG-GT)<< Possible error
 4592234,4592923,690,END: start -137 TAG|TGA|TAA:AG-GT (ref:AG-GT)<< Possible error
 4593099,4593138,40,EXACT,AG-GT
 4593234,4593287,54,EXACT,AG-GT
 4593544,4593589,46,EXACT,AG-GT
 4593687,4593886,200,EXACT,AG-GT
 4593985,4594037,53,START: end 21 AG-GT (ref:AG-GT)<< Possible error
 4594159,4594220,62,OVER:Ends:4594213-4594474-4594235-
 ID=NCLIV_043990 + 7 G..ATGG
 4597186,4597258,73,END:Starts:4596699-4596454-4596735-
 4597525,4597808,284,START: end -14 AG
 4598014,4598365,352,END: start -5 GT (ref:AG-GT)<< Possible error
 4598607,4598699,93,EXACT,AG-GT
 4598906,4599129,224,EXACT,AG-GT
 4599363,4599499,137,EXACT,AG-GT
 4599618,4599720,103,START:Ends:4599916-4599895-4601618-
 ID=NCLIV_044000 + 5 A..ATG
 4601972,4601978,7,END:EXACT
 4602640,4602839,200,EXACT,AG-GT
 4604003,4604238,236,EXACT,AG-GT
 4604368,4604584,217,EXACT,AG-GT
 4604713,4604859,147,START:EXACT
 ID=NCLIV_044010 + 7 CGGATGG
 4605682,4605820,139
 4605874,4605975,102
 4606029,4606144,116
 4606204,4606222,19
 4606303,4606384,82
 4606441,4606495,55
 4606560,4606640,81
 ID=NCLIV_044030 + 1 A..ATG
 4619796,4623428,3633
 ID=NCLIV_044060 + 9 A..ATG
 4636263,4636713,451,END:Starts:4635299-4634718-
 4637345,4637769,425,START: end 6449 AG
 4638306,4638410,105,OVER: start -961 and end 5808 AG
 4638736,4638919,184,OVER: start -1391 and end 5299 AG
 4639315,4639373,59,OVER: start -1970 and end 4845 AG
 4639788,4640170,383,OVER: start -2443 and end 4048 AG
 4640634,4643785,3152,OVER: start -3289 and end 433 AG
 4644037,4644218,182,END: start -6692 AG
 4644599,4645345,747,START:Ends:4646863-4648009-
 ID=NCLIV_044070 + 4 [CT]..ATG[ACT]
 4647685,4648009,325,END:Ends:4646863-4648009-
 4648879,4649061,183,END: start -8 GT (ref:AG-GT)<< Possible error
 4649896,4650018,123,EXACT,AG-GT
 4650305,4650426,122,START:EXACT
 ID=NCLIV_044080 + 1 CACATGG
 4657944,4660376,2433
 ID=NCLIV_044120 + 2 A..ATG
 4680639,4681050,412,END:Starts:4679421-4679469-4679638-
 4681875,4682041,167,START:Ends:4682293-4682323-4682314-
 ID=NCLIV_044150 + 11 A..ATG
 4707444,4707492,49,OVER:Starts:4706798-4706733-

4707817,4707980,164
 4708350,4708486,137
 4708795,4708864,70
 4709479,4709550,72
 4710163,4710226,64
 4710505,4710579,75
 4711371,4711435,65
 4711880,4711931,52,END: start -444 GT
 4712303,4712361,59,EXACT,AG-GT
 4712790,4712879,90
 ID=NCLIV_044160 + 5 A..ATG
 4718484,4718795,312
 4719112,4719383,272
 4719599,4719716,118
 4719878,4721066,1189,EXACT,GT
 4721332,4721351,20,START:Ends:4721690-4721750-
 ID=NCLIV_044180 + 7 GGCATGC
 4744622,4744952,331
 4745483,4746509,1027,END: start -193 GT (ref:AG-GT)<< Possible error
 4746810,4747042,233,END: start 7 GT
 4747321,4758446,11126,EXACT,AG-GT
 4758677,4758949,273,EXACT,AG-GT
 4759162,4759387,226,START: end 2669 AG
 4759509,4759519,11,OVER:Ends:4761979-4762056-
 ID=NCLIV_044190 + 4 A..ATG
 4762921,4763006,86,OVER:Starts:4762086-4762266-
 4763513,4768109,4597,END: start -1247 GT
 4768456,4772826,4371,EXACT,AG-GT
 4773302,4774645,1344,START:EXACT
 ID=NCLIV_044220 + 7 G..ATGG
 4801821,4802228,408
 4802568,4804265,1698
 4804926,4805965,1040
 4806564,4806672,109
 4807088,4807189,102
 4807772,4807860,89
 4808418,4808520,103
 ID=NCLIV_044240 + 8 A..ATG
 4826915,4828348,1434
 4828604,4828716,113
 4829128,4829287,160,END: start -5 GT (ref:AG-GT)<< Possible error
 4829455,4830316,862,EXACT,AG-GT
 4830500,4830606,107,EXACT,AG-GT
 4831015,4831146,132,EXACT,AG-GT
 4831781,4832264,484,EXACT,AG-GT
 4832741,4832925,185,START:Ends:4833670-4833518-
 ID=NCLIV_044251 + 4 A..ATG
 4880102,4880284,183
 4880642,4880747,106
 4881100,4881230,131
 4881548,4881748,201
 ID=NCLIV_044270 + 11 [CT]..ATG[ACT]
 4912777,4913574,798,END:Starts:4912733-4911533-4911654-
 4914295,4914362,68,START: end -2 AG
 4914807,4914938,132,EXACT,GT
 4915063,4915186,124,EXACT,AG-GT
 4915569,4915808,240,EXACT,AG-GT
 4916147,4916251,105,EXACT,AG-GT
 4916674,4916811,138,EXACT,AG-GT
 4916972,4917080,109,END: start -1 GT (ref:AG-GT)<< Possible error

4917319,4917398,80,EXACT,AG-GT
4917712,4917840,129,EXACT,AG-GT
4918251,4918499,249,START:Ends:4920527-4920471-4920435-
ID=NCLIV_044290 + 11 A..ATG
4929978,4930448,471,END:Starts:4929046-4929317-
4931392,4931458,67,EXACT,AG
4932007,4932330,324,EXACT,GT
4932705,4932955,251,START: end 3 AG
4933567,4934174,608,START: end -117 AG
4934298,4934337,40
4934967,4935085,119,END: start 15 GT
4935371,4935583,213,EXACT,AG-GT
4936033,4936257,225,EXACT,AG-GT
4936451,4936847,397,START: end -2 AG
4937276,4937323,48
ID=NCLIV_044300 + 2 CAGATGG
4946239,4946284,46,END:Starts:4945242-4945002-
4946782,4948508,1727,START:Ends:4952135-4950458-
ID=NCLIV_044320 + 1 GTCATGA
4965904,4970676,4773
ID=NCLIV_044340 + 7 A..ATG
4980647,4982547,1901,END:EXACT
4983096,4984099,1004,EXACT,AG-GT
4984544,4984712,169,EXACT,AG-GT
4985206,4987373,2168,EXACT,AG-GT
4987900,4988554,655,START: end 615 AG-GT
4988890,4989169,280,END: start -990 AG-GT
4989594,4989638,45,START:Ends:4989695-4990271-
ID=NCLIV_044360 + 3 A..ATG
5001985,5002151,167,END:Starts:5001320-5001988-
5002531,5002834,304,EXACT,AG-GT
5003286,5003537,252,START:Ends:5003879-5003888-5003861-
ID=NCLIV_044380 + 5 A..ATG
5014651,5014705,55,END:EXACT
5015508,5015594,87,EXACT,AG-GT
5015846,5015940,95,EXACT,AG-GT
5016428,5016605,178,EXACT,AG-GT
5017058,5017110,53,START:Ends:5017642-5017669-5017575-
ID=NCLIV_044410 + 3 GCGATGA
5037637,5038358,722,END:Starts:5030791-5034631-
5038823,5038938,116,EXACT,AG
5039327,5040267,941
ID=NCLIV_044420 + 6 CGAATGG
5043438,5043549,112
5044551,5044632,82
5044871,5044989,119
5045194,5045300,107
5045700,5045798,99
5046342,5046587,246
ID=NCLIV_044440 + 8 A..ATG
5072685,5072767,83,END:Starts:5071751-5071800-5071874-
5073399,5073553,155,EXACT,AG-GT
5073845,5074005,161,EXACT,AG-GT
5074421,5074672,252,EXACT,AG-GT
5075138,5075304,167,EXACT,AG-GT
5075578,5075745,168,EXACT,AG-GT
5076168,5076356,189,EXACT,AG-GT
5076839,5076956,118,START:Ends:5077750-5077757-5077761-
ID=NCLIV_044460 + 7 A..ATG
5093241,5093265,25,END:Starts:5092396-5092231-

5093728,5093857,130,EXACT,AG-GT
 5094559,5094809,251,START: end -6 AG-GT
 5095273,5095619,347,EXACT,AG-GT
 5095908,5096397,490,EXACT,AG-GT
 5096705,5096987,283,EXACT,AG-GT
 5097445,5097571,127,START:EXACT
 ID=NCLIV_044470 + 12 [CT]..ATG[ACT]
 5102691,5102952,262
 5103504,5103743,240
 5104493,5104945,453
 5106356,5106436,81
 5106968,5107018,51
 5107632,5107763,132
 5108580,5108990,411
 5109540,5109620,81
 5111846,5112031,186,END: start -523 GT (ref:AG-GT)<< Possible error
 5112837,5113346,510,EXACT,AG-GT
 5114828,5114929,102,EXACT,AG-GT
 5115529,5115575,47,START:Ends:5116082-5115961-
 ID=NCLIV_044490 + 1 A..ATG
 5124670,5126022,1353
 ID=NCLIV_044530 + 1 A..ATG
 5148465,5157224,8760
 ID=NCLIV_044550 + 3 G..ATGG
 5179432,5184296,4865
 5185148,5185708,561
 5185983,5186196,214
 ID=NCLIV_044560 + 4 G..ATGG
 5188444,5189013,570
 5189404,5189631,228
 5189867,5190124,258
 5190317,5191039,723
 ID=NCLIV_044580 + 14 A..ATG
 5245269,5245365,97,END:Starts:5243145-5243523-5244907-
 5246033,5246137,105,EXACT,AG-GT
 5246670,5246834,165,EXACT,AG-GT
 5247528,5247632,105,EXACT,AG-GT
 5248112,5248453,342,EXACT,AG-GT
 5248848,5249013,166,EXACT,AG-GT
 5249498,5249678,181,START: end -117 AG-GC (ref:AG-GT)<< Possible error
 5249904,5250026,123,EXACT,AG-GT
 5250744,5250811,68,EXACT,AG-GT
 5251359,5251390,32,EXACT,AG-GT
 5251745,5251778,34,EXACT,AG-GT
 5252309,5252388,80,EXACT,AG-GT
 5252655,5253764,1110,EXACT,AG-GT
 5254230,5254270,41,START:Ends:5256673-5256465-5256452-
 ID=NCLIV_044600 + 4 A..ATG
 5260145,5260225,81,OVER:Starts:5259824-5258084-5260661-
 5261185,5261288,104,END: start -1361 GT (ref:AG-GT)<< Possible error
 5261690,5261763,74,EXACT,AG-GT
 5262271,5262326,56,START:Ends:5262964-5262914-5262856-
 ID=NCLIV_044610 + 3 [CT]..ATG[ACT]
 5265535,5270010,4476,END:Starts:5264686-5264997-5265600-
 5270339,5270402,64,EXACT,AG-GT
 5270607,5270659,53,START:Ends:5271315-5271355-
 ID=NCLIV_044620 + 11 A..ATG
 5273514,5273938,425
 5274041,5274203,163
 5274900,5275148,249

5275362,5275681,320
 5275866,5275944,79
 5276605,5276727,123
 5277145,5277239,95,END: start -72 GT
 5277951,5278062,112,EXACT,AG-GT
 5278557,5278660,104,EXACT,AG-GT
 5279105,5280409,1305,EXACT,GT
 5281071,5281233,163,START:Ends:5281567-5281520-
 ID=NCLIV_044640 + 15 A..ATG
 5293791,5293795,5
 5295352,5295473,122
 5295906,5296131,226
 5296751,5297126,376
 5297798,5297932,135
 5298343,5298720,378
 5299386,5299489,104
 5300033,5300093,61
 5300716,5300837,122
 5301587,5301747,161
 5302518,5302638,121
 5302970,5303121,152
 5303872,5303982,111
 5304512,5304632,121
 5305241,5305274,34
 ID=NCLIV_044660 + 6 A..ATG
 5311757,5312324,568,END:Starts:5310939-5311255-5310748-
 5312983,5313486,504,EXACT,AG-GT
 5314007,5314381,375,START: end 183 AG
 5315054,5315201,148
 5315420,5315550,131
 5316054,5318107,2054
 ID=NCLIV_044665 + 3 GCGATGC
 5322206,5323046,841,END:Starts:5319886-5321038-
 5323513,5323745,233,START: end -76 AG-GT
 5323949,5323972,24,OVER:Ends:5324966-5324454-
 ID=NCLIV_044670 + 5 A..ATG
 5328742,5332208,3467,END:Starts:5330822-5326593-
 5332601,5332763,163,EXACT,AG-GT
 5333110,5333946,837,EXACT,AG-GT
 5334345,5334492,148,EXACT,AG-GT
 5334889,5335187,299,START:Ends:5338039-5339248-5339287-
 ID=NCLIV_044690 + 11 A..ATG
 5350138,5350473,336
 5350777,5351104,328
 5351332,5351685,354
 5352151,5352510,360
 5352812,5353099,288
 5353208,5353315,108
 5353728,5354738,1011
 5354981,5355175,195
 5355643,5356197,555,END: start 8 GT
 5356599,5357220,622,START: end 146 AG
 5357712,5357772,61
 ID=NCLIV_044710 + 7 TCCATGG
 5368190,5368688,499,END:Starts:5367225-5367116-5367233-
 5369358,5369419,62,EXACT,AG-GT
 5369839,5369947,109,EXACT,AG-GT
 5370218,5370537,320,EXACT,AG-GT
 5370844,5371010,167,START: end -59 ATG:AG-GT (ref:AG-GT)<< Possible error
 5371121,5371277,157,END: start 61 AG-GT (ref:AG-GT)<< Possible error

5371712,5371747,36,START:Ends:5372210-5371838-5372160-
 ID=NCLIV_044730 + 9 [CT]..ATG[ACT]
 5377714,5378227,514,END:Starts:5377005-5376948-5378028-
 5378617,5378717,101,EXACT,AG-GT
 5379039,5379301,263,EXACT,AG
 5379671,5379815,145,EXACT,GT
 5380393,5380492,100,EXACT,AG-GT
 5380755,5380838,84,EXACT,AG-GT
 5381007,5381252,246,END: start 42 AG-GT (ref:AG-GT)<< Possible error
 5381700,5381757,58,EXACT,AG-GT
 5382262,5382322,61,START:Ends:5387801-5385890-5387696-
 ID=NCLIV_044750 + 7 A..ATG
 5391409,5392130,722,END:Starts:5390227-5390241-5390251-
 5392376,5392499,124,EXACT,AG-GT
 5392993,5393121,129,START: end -3 AG
 5393686,5393952,267,END: start 1 GT (ref:AG-GT)<< Possible error
 5394565,5394703,139,EXACT,AG-GT
 5395005,5395060,56
 5395237,5395899,663,START:Ends:5396108-5396441-

CHROMOSOME IX – REVERSE

ID=NCLIV_038320 - 1 [CT]..ATG[ACT]
 10541,13876,3336
 ID=NCLIV_038340 - 9 GCTATGT
 25495,25972,478
 26026,26230,205
 26292,26365,74
 26452,26786,335
 26853,26928,76,OVER: start -216 and end 1478 AG (ref:AC-GT)<< Possible error
 26981,27114,134,OVER: start -344 and end 1292 AG (ref:AC-GT)<< Possible error
 27240,27675,436,OVER: start -603 and end 731 AG (ref:AC-GT)<< Possible error
 27711,27888,178,OVER: start -1074 and end 518 AG (ref:AC-GT)<< Possible error
 28016,28295,280,OVER:Starts:26393-26637-27499-
 ID=NCLIV_038350 - 2 A..ATG
 29703,29975,273,END:EXACT
 30217,30402,186,START:Ends:30775-30699-
 ID=NCLIV_038400 - 8 A..ATG
 61448,61603,156,END:EXACT
 62026,62093,68,EXACT,AG-GT
 62359,62472,114,EXACT,AG-GT
 63020,63136,117,EXACT,AG-GT
 63264,63324,61,EXACT,AG-GT
 63838,63924,87,START: end 5 GT
 64181,64675,495,END: start 1 Info:AG-GT-AG-GC-donor=GG- (ref:AC-GT)<< Possible error
 65743,65859,117,START:Ends:66685-66456-66728-
 ID=NCLIV_038440 - 2 A..ATG
 100552,100629,78
 101002,101802,801,OVER:Starts:101002-100989-100990-
 ID=NCLIV_038450 - 1 [CT]..ATG[ACT]
 108566,109111,546,OVER:Starts:107329-107306-
 ID=NCLIV_038470 - 2 GCGATGT
 116197,125376,9180,OVER:Starts:112917-113307-113230-
 125494,131577,6084,OVER:Starts:112917-113307-113230-
 ID=NCLIV_038490 - 13 TCGATGG
 144016,144185,170
 144588,144711,124
 145072,145252,181
 145901,146094,194
 146364,146499,136

147021,147220,200
147520,147648,129
148377,148429,53
148999,149082,84
149435,149525,91
150126,150313,188
150506,150724,219
151316,151535,220
ID=NCLIV_038510 - 7 A..ATG
169923,170054,132,END:Starts:167717-168359-167668-
170366,170584,219,EXACT,AG-GT
171249,171402,154,EXACT,AG-GT
171822,171856,35,EXACT,AG-GT
172330,172512,183,EXACT,AG-GT
172823,172887,65,EXACT,AG-GT
173179,173344,166,START:EXACT
ID=NCLIV_038530 - 2 GACATGA
181212,181492,281
181925,182027,103
ID=NCLIV_038560 - 11 GCCATGC
207076,207111,36,END:Starts:205406-204831-205389-
207648,208829,1182,EXACT,AG-GT
209303,209753,451,EXACT,AG-GT
210418,210899,482,EXACT,AG-GT
211653,213345,1693,START: end -38 GT
213620,214047,428,END: start -604 AG
214367,217599,3233,START: end -1911 GT
218094,218355,262
218612,219040,429
219239,219359,121
219495,220276,782
ID=NCLIV_038580 - 11 GCCATGA
235847,236584,738,END:EXACT
237464,237520,57,EXACT,AG-GT
237999,238105,107,EXACT,AG-GT
238886,239012,127,EXACT,AG-GT
239406,239522,117,EXACT,AG-GT
239921,240017,97,EXACT,AG-GT
240391,240517,127,EXACT,AG-GT
240949,241080,132,EXACT,AG-GT
241394,241552,159,EXACT,AG-GT
241939,242014,76,EXACT,AG-GT
242558,242872,315,START:Ends:244045-242724-244066-
ID=NCLIV_038610 - 8 A..ATG
272280,272357,78
272823,273079,257
273656,273924,269
274053,274339,287
274864,275250,387
276120,276318,199
276782,279270,2489
279530,280381,852
ID=NCLIV_038640 - 6 A..ATG
298227,298263,37,END:Starts:294845-295375-296167-
298951,299942,992,START: end -255 AG-GT
300185,300305,121,EXACT,AG-GT
300530,300931,402,EXACT,AG-GT
301935,303537,1603,EXACT,AG-GT
303916,304183,268,START:Ends:305183-305069-305345-
ID=NCLIV_038650 - 1 A..ATG

307173,308588,1416
ID=NCLIV_038670 - 5 A..ATG
313647,313781,135,END:Starts:312925-312903-312851-
314291,314381,91,START: end 49 GT
314634,314790,157
315242,315323,82
316136,316735,600
ID=NCLIV_038700 - 11 TTCATGG
324677,324761,85,END:Starts:323093-323173-323157-
325084,325206,123,EXACT,AG-GT
325619,325786,168,EXACT,AG-GT
326081,326166,86,EXACT,AG-GT
326625,326729,105,EXACT,AG-GT
327469,327726,258,EXACT,AG-GT
328048,328201,154,EXACT,AG-GT
328712,329309,598,START: end -16 GT
330016,330153,138
330687,330785,99
331142,331379,238
ID=NCLIV_038740 - 7 A..ATG
356654,356700,47,END:Starts:356400-356474-356146-
357349,357400,52,EXACT,AG-GT
357684,357759,76,EXACT,AG-GT
358175,358320,146,EXACT,AG-GT
358884,359236,353,EXACT,AG-GT
359765,359972,208,EXACT,AG-GT
360602,360886,285
ID=NCLIV_038760 - 6 A..ATG
370873,370887,15,END:Starts:368755-370534-370524-
371447,371572,126,EXACT,AG-GT
372040,372127,88,EXACT,AG-GT
372718,372781,64,EXACT,AG-GT
373155,373273,119,EXACT,AG-GT
373537,373577,41,START:EXACT
ID=NCLIV_038770 - 13 G..ATGG
375209,375358,150
375420,375475,56
375535,375723,189
375778,376288,511
376347,376456,110
376519,376662,144
376726,376901,176
377503,377764,262
378118,378319,202
378722,378824,103
379346,379574,229
379829,379917,89
380318,380544,227
ID=NCLIV_038780 - 2 CAGATGG
381608,381919,312,END:Starts:381529-381584-381508-
382024,382116,93,EXACT,ATG:AG-GT
ID=NCLIV_038800 - 1 A..ATG
387021,388217,1197
ID=NCLIV_038830 - 1 A..ATG
412886,413251,366
ID=NCLIV_038840 - 3 A..ATG
416432,416632,201,END:EXACT
417175,417240,66,START: end 111 GT
417488,417553,66
ID=NCLIV_038860 - 15 A..ATG

424880,426037,1158
 426535,426680,146
 427168,427309,142
 427902,428024,123
 428387,428455,69
 428694,428948,255
 429335,429445,111
 429828,429977,150
 430888,431112,225
 432580,432643,64
 433810,433932,123
 434157,434242,86
 434672,434738,67
 435363,435430,68
 436054,436170,117
 ID=NCLIV_038870 - 7 A..ATG
 438875,438961,87,END:Starts:438146-438188-438164-
 439103,439197,95,EXACT,AG-GT
 439794,439844,51,EXACT,AG-GT
 440228,440361,134,EXACT,AG-GT
 440700,440796,97,EXACT,AG-GT
 441013,441390,378,START: end -5 GT
 441967,441970,4
 ID=NCLIV_038880 - 2 A..ATG
 446105,446242,138,END:EXACT
 446777,449419,2643,START:Ends:450522-450518-
 ID=NCLIV_038900 - 1 A..ATG
 458939,460093,1155
 ID=NCLIV_038910 - 1 G..ATGG
 463015,464184,1170
 ID=NCLIV_038920 - 1 A..ATG
 467238,468398,1161
 ID=NCLIV_038930 - 1 A..ATG
 471498,472652,1155
 ID=NCLIV_038940 - 1 G..ATGG
 475795,476964,1170
 ID=NCLIV_038950 - 1 A..ATG
 480019,481176,1158
 ID=NCLIV_038975 - 3 A..ATG
 494682,494852,171,END:Starts:494043-494024-494032-
 496018,496185,168,OVER: start -8 and end 9 AG-GT
 496817,496879,63,START:Ends:498219-498229-
 ID=NCLIV_038980 - 6 A..ATG
 501352,501909,558,END:Starts:500002-499821-499632-
 502297,502371,75,EXACT,AG-GT
 502656,502838,183,EXACT,AG-GT
 503142,503252,111,EXACT,AG-GT
 503804,505094,1291,EXACT,AG-GT
 505392,506179,788,START:Ends:507799-507721-507785-
 ID=NCLIV_039020 - 1 G..ATGG
 520881,522161,1281
 ID=NCLIV_039050 - 12 [CT]..ATG[ACT]
 534134,534323,190,END:Starts:533412-533413-
 534495,534582,88,EXACT,AG-GT
 534864,535038,175,START: end 557 AG
 535413,535595,183,END: start -549 AG
 536046,536112,67,EXACT,AG-GT
 536371,536611,241,EXACT,AG-GT
 537289,537361,73,EXACT,AG-GT
 537546,537647,102,START: end 281 GT

538078,538165,88
 538859,538960,102
 539610,539698,89
 540300,540356,57
 ID=NCLIV_039100 - 4 A..ATG
 589386,589457,72,END:EXACT
 589558,589645,88,EXACT,AG-GT
 589745,590838,1094,EXACT,AG-GT
 591331,591426,96,START:Ends:591756-591755-591760-
 ID=NCLIV_039120 - 2 A..ATG
 604530,605198,669,END:Starts:604112-602405-
 605573,608188,2616,START:Ends:607678-609204-
 ID=NCLIV_039150 - 6 GCAATGC
 625063,625226,164
 625278,625296,19
 625363,625405,43
 625458,625518,61
 625577,625622,46
 625685,626125,441
 ID=NCLIV_039190 - 6 G..ATGG
 639759,639944,186,END:Starts:639385-639676-
 640056,640280,225,EXACT,GT
 640392,640546,155
 640636,640797,162
 640917,641102,186
 641206,641221,16
 ID=NCLIV_039210 - 2 G..ATGG
 649266,649376,111,END:EXACT
 649828,650784,957,START:Ends:651265-650828-651240-
 ID=NCLIV_039220 - 10 [CT]..ATG[ACT]
 654065,654149,85,END:Starts:652428-652872-652811-
 654516,654655,140,EXACT,AG-GT
 654975,655188,214,EXACT,AG-GT
 655717,655793,77,EXACT,GT
 656068,656133,66,END: start -4 Stop Codon:AG-GT (ref:AC-GT)<< Possible error
 656531,658701,2171,START: end 522 AG-GT (ref:AC-GT)<< Possible error
 659030,659156,127,OVER: start -2499 and end 67 AG-GT (ref:AC-GT)<< Possible error
 659757,660596,840,EXACT,AG-GT
 661145,662863,1719,EXACT,AG-GT
 663391,669264,5874,START:Ends:670576-670965-
 ID=NCLIV_039250 - 1 GAGATGA
 685257,686651,1395
 ID=NCLIV_039260 - 6 [CT]..ATG[ACT]
 686987,687022,36
 687569,687678,110
 687790,687994,205
 688104,689936,1833
 690044,690205,162
 690699,690716,18
 ID=NCLIV_039280 - 6 A..ATG
 695273,695792,520,END:Starts:694924-694926-694934-
 695889,696137,249,EXACT,AG-GT
 696283,696416,134,EXACT,AG-GT
 696515,696609,95,START: end 71 GT
 696750,696915,166
 697393,697488,96
 ID=NCLIV_039300 - 2 G..ATGG
 708426,709753,1328
 710795,711338,544
 ID=NCLIV_039310 - 4 A..ATG

713019,714327,1309
 715399,716485,1087
 716808,717901,1094
 718053,718150,98
 ID=NCLIV_039320 - 1 A..ATG
 720176,720826,651
 ID=NCLIV_039350 - 7 GGAATGA
 729788,730944,1157
 731194,731369,176
 731773,731918,146,END: start 1 AG
 732044,732142,99,END: start 18 AG-GT
 732760,732819,60,EXACT,GT
 733617,735838,2222,END: start 593 AG
 736187,737045,859
 ID=NCLIV_039370 - 3 [CT]..ATG[ACT]
 745789,747369,1581
 749043,750066,1024
 750663,754123,3461
 ID=NCLIV_039420 - 4 A..ATG
 791374,791481,108,END:Starts:788720-790169-788520-
 792304,792447,144,EXACT,AG-GT
 793083,793241,159,EXACT,AG-GT
 793718,793924,207,START:Ends:794444-794003-794446-
 ID=NCLIV_039430 - 2 GCCATGT
 797784,797997,214
 798451,798464,14
 ID=NCLIV_039440 - 3 A..ATG
 810893,811026,134
 811255,811377,123
 811636,811723,88
 ID=NCLIV_039450 - 4 CAGATGG
 814736,815410,675,END:Starts:813923-813914-
 815680,815802,123,START: end -32 GT
 816158,816220,63
 816610,816612,3
 ID=NCLIV_039460 - 2 A..ATG
 828876,828942,67
 829839,830038,200,START:Ends:830358-830468-
 ID=NCLIV_039480 - 2 TTTATGG
 834453,834662,210,END:Starts:834220-834206-
 835252,835326,75,OVER:Ends:835496-835634-
 ID=NCLIV_039510 - 1 A..ATG
 874391,876148,1758
 ID=NCLIV_039530 - 5 A..ATG
 890075,890137,63
 890304,890722,419
 891128,892217,1090
 892761,892935,175
 893251,894929,1679
 ID=NCLIV_039540 - 1 [CT]..ATG[ACT]
 897264,900203,2940
 ID=NCLIV_039600 - 2 A..ATG
 933173,934335,1163
 934915,936811,1897
 ID=NCLIV_039620 - 1 A..ATG
 946499,947131,633
 ID=NCLIV_039640 - 2 A..ATG
 966290,966561,272,END:EXACT
 967024,967927,904,START:Ends:968150-968129-968153-
 ID=NCLIV_039650 - 4 A..ATG

970505,970845,341
971240,971392,153
971849,971885,37
972284,973066,783
ID=NCLIV_039680 - 7 A..ATG
995051,995463,413,END:EXACT
996434,996659,226,EXACT,AG-GT
997305,997451,147,EXACT,AG-GT
997538,997677,140,START: end 331 AG-GT
998450,998872,423,EXACT,AG-GT
999230,999349,120,EXACT,AG-GT
999546,1000110,565,START:Ends:1001238-1003292-1009020-
ID=NCLIV_039690 - 1 A..ATG
1003726,1008456,4731
ID=NCLIV_039730 - 14 CAGATGG
1032895,1034274,1380
1034498,1034587,90
1034911,1034976,66
1035263,1035364,102,EXACT,Code:INTERNAL-
1035913,1036058,146,START: end 63 GT
1037093,1037208,116
1037818,1037873,56
1038458,1038612,155
1038953,1039058,106
1039326,1039633,308,EXACT,Info:AG-GC-AG-GT-
1039950,1040070,121,START: end 314 AG-GT (ref:AC-GT)<< Possible error
1040122,1040384,263,END: start -172 AG-GT (ref:AC-GT)<< Possible error
1040806,1043479,2674,START: end -2032 GT
1044131,1044868,738
ID=NCLIV_039750 - 6 G..ATGG
1054178,1054230,53,END:Starts:1051365-1051513-1051344-
1054553,1055195,643,START: end -79 GT
1055574,1055699,126,END: start 34 AG
1055846,1055889,44,EXACT,AG-GT
1056315,1056607,293,EXACT,AG-GT
1056772,1057121,350,START:Ends:1058133-1058345-
ID=NCLIV_039780 - 7 GAAATGC
1075578,1075674,97,END:Starts:1073894-1073838-1073798-
1076225,1077136,912,EXACT,AG-GT
1077477,1077583,107,EXACT,AG-GT
1077874,1078209,336,START: end -21 GT
1078628,1078956,329,END: start 22 AG (ref:AC-GT)<< Possible error
1079342,1080499,1158,START: end -30 GT
1080740,1081232,493
ID=NCLIV_039800 - 3 A..ATG
1090293,1090371,79,END:Starts:1088673-1088656-1088727-
1090680,1091111,432,EXACT,AG-GT
1091599,1092710,1112,START:Ends:1093417-1093888-1094240-
ID=NCLIV_039820 - 9 A..ATG
1098089,1098271,183,END:Starts:1096792-1096820-1096769-
1098392,1098605,214,EXACT,AG-GT
1098726,1098853,128,EXACT,AG-GT
1099009,1099206,198,EXACT,AG-GT
1099400,1099558,159,EXACT,AG-GT
1099742,1099931,190,EXACT,AG-GT
1100055,1100260,206,START: end 1 GT
1100715,1100792,78,END: start 12 AG (ref:AC-GT)<< Possible error
1101333,1101383,51,START:EXACT
ID=NCLIV_039870 - 1 A..ATG
1130500,1132995,2496

ID=NCLIV_039940 - 6 A..ATG
 1163081,1163207,127,END:Starts:1162239-1162727-1162257-
 1163341,1163504,164,EXACT,AG-GT
 1163655,1163833,179,EXACT,AG-GT
 1163936,1164037,102,EXACT,TAG/TGAI/TAA:AG-GT
 1164143,1164515,373,START: end 1544 GT
 1164651,1164893,243,OVER:Ends:1166059-1164515-1166108-
 ID=NCLIV_039980 - 1 A..ATG
 1183334,1186984,3651,OVER:Starts:1182241-1182528-
 ID=NCLIV_039990 - 2 A..ATG
 1190677,1191616,940,END:Starts:1189020-1189042-1188930-
 1192621,1192727,107,START:EXACT
 ID=NCLIV_040030 - 8 [CT]..ATG[ACT]
 1231083,1231347,265
 1231871,1231953,83
 1232165,1232234,70
 1232695,1233259,565
 1233704,1233843,140
 1234187,1234367,181
 1234591,1235052,462
 1235597,1236506,910
 ID=NCLIV_040050 - 12 G..ATGG
 1244006,1245568,1563
 1246042,1246222,181
 1246489,1246618,130
 1246869,1247110,242
 1247563,1247890,328
 1248349,1248652,304
 1249228,1249495,268
 1249856,1250036,181
 1250838,1251044,207
 1251511,1251727,217
 1252037,1252265,229
 1252841,1253214,374
 ID=NCLIV_040070 - 2 A..ATG
 1275057,1275229,173,END:Starts:1273837-1274026-1274183-
 1275715,1276951,1237,START:Ends:1278319-1277505-1278448-
 ID=NCLIV_040090 - 10 G..ATGG
 1285976,1286058,83,OVER:Starts:1286666-1285639-
 1286649,1286771,123,END: start -1010 AG
 1287496,1287564,69,EXACT,AG-GT
 1288170,1288233,64,EXACT,AG-GT
 1288611,1288684,74,EXACT,AG-GT
 1289108,1289192,85,EXACT,AG-GT
 1289345,1289604,260,EXACT,AG-GT
 1290130,1290219,90,EXACT,AG-GT
 1290601,1290680,80,EXACT,AG
 1291064,1291638,575,START:Ends:1291961-1291491-
 ID=NCLIV_040100 - 4 CCAATGG
 1293830,1293931,102,OVER:EXACT
 1294324,1294486,163,END: start -1262 AG
 1294824,1294880,57,START: end 48 GT
 1295447,1295847,401,OVER:Starts:1295058-1295423-
 ID=NCLIV_040130 - 5 GCAATGC
 1315126,1316945,1820
 1317417,1317669,253
 1318065,1318664,600
 1318808,1319283,476
 1319634,1319787,154
 ID=NCLIV_040140 - 12 A..ATG

1323730,1324168,439,OVER:Starts:1324593-1322320-1322285-
 1324593,1326480,1888,END: start -2273 AG (ref:AC-GT)<< Possible error
 1326973,1327162,190,EXACT,AG-GT
 1327634,1327908,275,EXACT,AG-GT
 1328322,1328430,109,START: end 21 GT
 1329010,1329522,513
 1329849,1330194,346
 1330929,1331559,631
 1331935,1332678,744
 1333127,1333503,377
 1333789,1333903,115
 1334121,1334304,184
 ID=NCLIV_040150 - 8 A..ATG
 1340986,1341085,100,END:EXACT
 1341495,1341692,198,END: start 116 AG-GT
 1342133,1342385,253
 1342694,1342952,259,OVER: start -527 and end 1541 AG
 1343341,1344066,726,OVER: start -1174 and end 427 AG
 1344420,1344493,74,END: start -2253 AG
 1344866,1345078,213,START: end -110 GT
 1346321,1349570,3250
 ID=NCLIV_040170 - 4 A..ATG
 1353601,1353953,353
 1354007,1354053,47
 1354113,1354203,91
 1354265,1354310,46
 ID=NCLIV_040190 - 1 [CT]..ATG[ACT]
 1367436,1368347,912
 ID=NCLIV_040200 - 3 G..ATGG
 1371996,1372112,117
 1372482,1373809,1328
 1374100,1374160,61
 ID=NCLIV_040220 - 8 A..ATG
 1384553,1385250,698,END:Starts:1379345-1383725-1381455-
 1385648,1385797,150,EXACT,AG-GT
 1386296,1386508,213,EXACT,TAG|TGA|TAA:AG-GT
 1386616,1387227,612,END: start 204 AG-GT (ref:AC-GT)<< Possible error
 1387854,1388019,166,EXACT,AG-GT
 1388543,1388651,109,EXACT,AG-GT
 1389008,1389180,173,EXACT,AG-GT
 1389972,1390292,321,START:Ends:1391773-1391780-
 ID=NCLIV_040270 - 3 [CT]..ATG[ACT]
 1424062,1424484,423
 1425157,1425253,97
 1425497,1425552,56
 ID=NCLIV_040300 - 7 GCGATGC
 1447831,1449581,1751,END:Starts:1445554-1445576-1445712-
 1449972,1450505,534,EXACT,TAG|TGA|TAA:AG-GT
 1450789,1450964,176,EXACT,AG-GT
 1451374,1451480,107,EXACT,AG-GT
 1451913,1452192,280,START: end 745 GT
 1452525,1452627,103,OVER: start -612 and end 310 GT
 1453612,1453978,367
 ID=NCLIV_040310 - 5 A..ATG
 1455656,1456581,926,END:EXACT
 1456867,1459078,2212,EXACT,AG-GT
 1459834,1460741,908,EXACT,AG-GT
 1461125,1461452,328,EXACT,AG-GT
 1461839,1463395,1557,START:Ends:1464089-1464173-
 ID=NCLIV_040320 - 11 GGGATGA

1467792,1467906,115,END:Starts:1467151-1466983-
 1468222,1468292,71,EXACT,AG-GT
 1469279,1469845,567,START: end 254 GT
 1470516,1470626,111
 1470859,1470908,50
 1471313,1471370,58
 1471519,1471668,150
 1472049,1472166,118
 1472960,1473152,193
 1473665,1473719,55,END: start -78 AG
 1473875,1473961,87
 ID=NCLIV_040340 - 5 A..ATG
 1485067,1485350,284
 1486056,1486258,203
 1486664,1486751,88,END: start 14 AG
 1487154,1495943,8790,START: end -6884 GT
 1496394,1498644,2251
 ID=NCLIV_040370 - 14 CAGCTGA
 1526516,1526614,99,END:Starts:1525298-1525294-1525314-
 1526960,1527007,48,EXACT,ATG:AG-GT
 1527437,1527606,170,EXACT,AG-GT
 1527909,1528029,121,EXACT,AG-GT
 1528309,1528392,84,EXACT,GT
 1528892,1528928,37
 1529209,1529282,74
 1530065,1530132,68
 1530577,1530671,95
 1531148,1531325,178,END: start 18 AG (ref:AC-GT)<< Possible error
 1531537,1531595,59,EXACT,AG-GT
 1532190,1532274,85,EXACT,GT
 1533414,1533559,146,END: start 83 AG (ref:AC-GT)<< Possible error
 1534192,1535726,1535,START:Ends:1536743-1536691-1536753-
 ID=NCLIV_040380 - 6 [CT]..ATG[ACT]
 1537650,1537754,105
 1537811,1537853,43
 1537911,1537960,50
 1538017,1538145,129
 1538208,1538264,57
 1538321,1538479,159
 ID=NCLIV_040400 - 3 A..ATG
 1560062,1560502,441,END:Starts:1559812-1560069-
 1561046,1562358,1313,START: end -293 GT
 1563355,1564114,760
 ID=NCLIV_040430 - 9 A..ATG
 1585200,1586153,954,END:Starts:1585803-1584862-
 1586717,1587349,633,START: end -128 GT
 1587827,1588072,246
 1588140,1588478,339
 1588820,1591333,2514
 1591674,1592104,431
 1592459,1592587,129
 1593097,1593420,324
 1593804,1600491,6688
 ID=NCLIV_040440 - 4 A..ATG
 1608121,1608420,300
 1608875,1609797,923
 1610189,1611169,981,END: start -5 AG
 1611611,1612049,439,START:Ends:1613464-1612288-
 ID=NCLIV_040450 - 2 A..ATG
 1615168,1615442,275,END:Starts:1613733-1613404-

1616136,1616304,169,START:Ends:1616788-1616799-
ID=NCLIV_040460 - 6 [CT]..ATG[ACT]
1619058,1619415,358,END:Starts:1618256-1618210-1618172-
1619850,1620308,459,START: end 27 GT
1621054,1621156,103
1621678,1621720,43,END: start 11 Info:AG-GT-AG-GC-
1621896,1622456,561,EXACT,AG-GT
1622685,1623209,525,START:Ends:1625116-1625232-
ID=NCLIV_040480 - 6 G..ATGG
1637402,1638106,705,END:Starts:1637140-1637128-1637097-
1638907,1639049,143
1639275,1639756,482,START: end 4 GT
1640092,1640282,191,END: start 5 AG-GT (ref:AC-GT)<< Possible error
1640685,1640852,168,START: end 3 GT
1641467,1641691,225,OVER:Ends:1642975-1642949-
ID=NCLIV_040510 - 2 A..ATG
1684165,1684323,159,END:Starts:1683397-1683249-1682497-
1684707,1688666,3960,START:Ends:1689754-1689756-1689877-
ID=NCLIV_040520 - 2 A..ATG
1692779,1692973,195,END:Starts:1691642-1691646-1691619-
1693295,1693432,138,START:Ends:1693746-1694606-1693748-
ID=NCLIV_040530 - 2 A..ATG
1699141,1700670,1530
1701650,1704646,2997,START:Ends:1705446-1707818-
ID=NCLIV_040540 - 8 A..ATG
1707652,1707818,167,END:Ends:1705446-1707818-
1708131,1708223,93,EXACT,AG-GT
1708599,1708800,202,EXACT,AG-GT
1709230,1709306,77,EXACT,AG-GT
1709724,1709807,84,EXACT,AG-GT
1710156,1710270,115,EXACT,AG-GT
1712641,1712807,167,EXACT,AG-GT
1713337,1713736,400,START:Ends:1714516-1714450-1714463-
ID=NCLIV_040560 - 6 GAAATGA
1720793,1721266,474
1722227,1723261,1035
1724450,1725810,1361
1726035,1729400,3366
1729840,1729924,85
1730403,1732556,2154
ID=NCLIV_040570 - 3 [CT]..ATG[ACT]
1737412,1738198,787,END:Starts:1736855-1736949-1736816-
1738626,1739313,688,START: end 272 AG-GT
1740933,1741002,70,START:Starts:1740941-1740933-
ID=NCLIV_040600 - 7 CCCATGG
1767957,1768037,81,END:Starts:1767267-1767283-1767259-
1768483,1768597,115,EXACT,AG-GT
1768881,1769012,132,EXACT,AG-GT
1769397,1769641,245,EXACT,AG-GT
1769934,1770085,152,EXACT,AG-GT
1770622,1770724,103,EXACT,AG-GT
1770942,1771148,207,START:Ends:1771869-1771816-1771884-
ID=NCLIV_040620 - 3 CCAATGG
1784624,1784869,246
1785189,1785653,465
1786122,1787273,1152
ID=NCLIV_040640 - 10 GTCATGT
1799886,1800752,867,OVER:Starts:1799093-1799027-1801261-
1801261,1801362,102,END: start -2168 AG (ref:AC-GT)<< Possible error
1801770,1801948,179,EXACT,AG-GT

1802323,1802427,105,EXACT,TAG|TGA|TAA:AG-GT
 1802746,1802785,40,EXACT,AG-GT
 1803224,1803324,101,START: end -33 AG-GT
 1803787,1803893,107,EXACT,AG-GT
 1804296,1804350,55,EXACT,AG-GT
 1804856,1806667,1812,EXACT,AG-GT
 1807116,1807215,100,START:Ends:1812957-1809702-1812962-
 ID=NCLIV_040680 - 12 CCAATGG
 1830634,1830687,54,OVER:Starts:1830798-1830435-1830462-
 1830798,1830866,69,END: start -336 AG (ref:AC-GT)<< Possible error
 1831140,1831328,189,EXACT,AG-GT
 1831787,1832028,242,EXACT,AG-GT
 1832720,1833497,778,EXACT,AG-GT
 1834166,1834699,534,EXACT,AG-GT
 1835384,1835639,256,START: end -20 GT
 1836531,1836587,57,OVER: start -50 and end 10 AG
 1837777,1837859,83,START: end 700 GT
 1838422,1838574,153
 1839002,1839280,279
 1839706,1840953,1248
 ID=NCLIV_040690 - 18 [CT]..ATG[ACT]
 1847666,1847789,124
 1848758,1848856,99
 1849703,1850112,410
 1850646,1850903,258
 1851394,1851537,144
 1851992,1852099,108
 1852499,1852693,195
 1853205,1853312,108
 1853743,1853958,216
 1854386,1854561,176
 1854983,1855071,89
 1855475,1855581,107
 1855859,1855945,87
 1856400,1856465,66
 1856844,1857059,216
 1857506,1857614,109
 1858289,1858533,245
 1859064,1859105,42
 ID=NCLIV_040720 - 5 [CT]..ATG[ACT]
 1876228,1884102,7875
 1884457,1885413,957
 1886635,1890831,4197
 1891023,1891310,288
 1891877,1892023,147
 ID=NCLIV_040780 - 3 A..ATG
 1941869,1942140,272,END:Starts:1941572-1941592-1941437-
 1942526,1942594,69,START: end 2 GT
 1943077,1943959,883
 ID=NCLIV_040800 - 2 A..ATG
 1950498,1950888,391,END:Starts:1950072-1950100-1950101-
 1951241,1952388,1148,START:Ends:1952523-1952468-1952482-
 ID=NCLIV_040810 - 7 A..ATG
 1953868,1953934,67
 1953988,1954079,92
 1954138,1954356,219
 1954413,1954547,135
 1954604,1954638,35
 1954697,1954732,36
 1954784,1954970,187

ID=NCLIV_040820 - 1 CAGATGG
1955326,1956039,714

ID=NCLIV_040850 - 6 TCGATGG
1972784,1972845,62,END:Starts:1972500-1972173-1971255-
1973142,1973284,143,EXACT,AG-GT
1973813,1973962,150,EXACT,AG-GT
1974377,1974494,118,EXACT,AG-GT
1975338,1975742,405,EXACT,AG-GT
1976441,1978265,1825,START:Ends:1980106-1979985-1980488-

ID=NCLIV_040870 - 1 A..ATG
1989655,1991925,2271

ID=NCLIV_040890 - 4 G..ATGG
2000100,2000404,305,END:Starts:2000074-2000022-
2000933,2001304,372,EXACT,TAG|TGA|TAA:AG-GT
2002052,2002143,92,EXACT,GT
2002396,2003771,1376

ID=NCLIV_040900 - 14 [CT]..ATG[ACT]
2005865,2006119,255,END:Starts:2002396-2004991-2004897-
2006499,2006596,98,EXACT,AG-GT
2007078,2007388,311,EXACT,AG-GT
2007984,2008088,105,EXACT,AG-GT
2008568,2009051,484,EXACT,AG-GT
2009607,2009997,391,EXACT,ATG:AG-GT
2010406,2010550,145,EXACT,AG-GT
2011212,2011276,65,EXACT,AG-GT
2011721,2011902,182,EXACT,AG-GT
2012074,2012174,101,EXACT,AG-GT
2012823,2012953,131,EXACT,AG-GT
2013573,2013703,131,EXACT,AG-GT
2014418,2014503,86,EXACT,AG-GT
2015042,2015829,788,START:Ends:2016438-2015989-2016470-

ID=NCLIV_040910 - 7 A..ATG
2019444,2020817,1374,END:Starts:2018314-2018531-2018499-
2021222,2021277,56,EXACT,AG-GT
2021812,2021889,78,EXACT,AG-GT
2022509,2022577,69,EXACT,GT
2022880,2022961,82,EXACT,AG
2023350,2023426,77,EXACT,AG-GT
2024270,2029268,4999,START:Ends:2025776-2024536-

ID=NCLIV_040920 - 1 [CT]..ATG[ACT]
2033386,2034561,1176,OVER:Starts:2031607-2032290-2031528-

ID=NCLIV_040930 - 10 A..ATG
2040282,2040696,415
2041990,2045466,3477,END: start -1669 AG-GT
2045990,2046528,539,EXACT,AG-GT
2046869,2046990,122,EXACT,AG-GT
2047784,2047858,75,EXACT,AG-GT
2048443,2048454,12
2048569,2048691,123,EXACT,AG-GT
2049045,2049204,160,EXACT,GT
2049622,2052369,2748,OVER: start -46 and end 37 AG (ref:AC-GT)<< Possible error
2053385,2054791,1407,START:Ends:2056705-2056629-2057719-

ID=NCLIV_040970 - 7 A..ATG
2088708,2088871,164,END:Starts:2088236-2088171-2088175-
2089344,2089476,133,EXACT,AG-GT
2089920,2090333,414,EXACT,AG-GT
2090594,2090680,87,EXACT,AG-GT
2091016,2091177,162,EXACT,AG-GT
2091457,2091776,320,EXACT,AG-GT
2092557,2092932,376,START:Ends:2093623-2093594-2093625-

ID=NCLIV_040980 - 7 A..ATG
2095724,2095848,125,END:Starts:2095468-2095482-2095431-
2096365,2096499,135,START: end 441 GT
2097453,2097825,373
2098101,2098780,680
2098835,2098904,70,OVER: start -713 and end 2996 NONE
2099643,2099848,206,OVER: start -1521 and end 2052 NONE
2100201,2100222,22,OVER:Ends:2100410-2101900-

ID=NCLIV_040990 - 8 A..ATG
2105310,2105462,153
2105538,2105640,103
2105703,2105734,32
2105790,2105864,75
2105925,2106031,107
2106102,2106458,357,START: end -210 AG
2106517,2106565,49,START: end 1459 GT
2106623,2107249,627,OVER:Ends:2107259-2108024-

ID=NCLIV_041020 - 4 A..ATG
2120107,2121011,905,END:Starts:2117886-2117908-2117952-
2121486,2121597,112,START: end -2 GT
2122202,2122352,151,END: start -400 AG-GT (ref:AC-GT)<< Possible error
2123141,2123253,113,START:Ends:2124605-2123384-2124614-

ID=NCLIV_041040 - 6 A..ATG
2132678,2132770,93,END:Starts:2132258-2132204-2132170-
2133003,2133193,191,EXACT,AG-GT
2133415,2133575,161,EXACT,AG-GT
2133723,2134095,373,EXACT,AG-GT
2134233,2134641,409,EXACT,AG-GT
2134919,2134924,6,START:Ends:2135396-2135449-

ID=NCLIV_041060 - 3 A..ATG
2137287,2137475,189
2137713,2137741,29
2138103,2138220,118

ID=NCLIV_041070 - 3 A..ATG
2139318,2139395,78,END:Starts:2138914-2138827-2138763-
2139504,2139770,267,EXACT,AG-GT
2140798,2141676,879,START:Ends:2141898-2141896-2141902-

ID=NCLIV_041090 - 3 TGCATGG
2150833,2150994,162,END:Starts:2150335-2150219-2150090-
2151403,2151501,99,EXACT,AG-GC
2152094,2152456,363,START:Ends:2153265-2153272-

ID=NCLIV_041120 - 3 A..ATG
2167774,2168194,421,END:Starts:2167324-2167602-2167278-
2168363,2168719,357,START: end 141 AG-GT (ref:AC-GT)<< Possible error
2169107,2169495,389,START:EXACT

ID=NCLIV_041130 - 3 G..ATGG
2171736,2173046,1311,END:EXACT
2173258,2174300,1043,EXACT,AG-GT
2174632,2176066,1435

ID=NCLIV_041140 - 8 G..ATGG
2179092,2179266,175,END:Starts:2178333-2177636-
2179702,2179831,130,EXACT,AG-GT
2180159,2180198,40,START: end 164 GT
2180590,2180727,138
2181343,2181753,411
2182014,2182069,56
2182338,2183090,753
2183576,2183642,67

ID=NCLIV_041170 - 7 G..ATGG
2209025,2209327,303,END:Starts:2206996-2208917-2208511-

2209899,2210142,244,EXACT,AG-GT
 2210743,2210925,183,EXACT,AG-GT
 2211221,2211314,94,EXACT,AG-GT
 2211618,2211722,105,EXACT,AG-GT
 2212108,2212183,76,START: end 200 GT
 2212697,2212882,186
 ID=NCLIV_041180 - 4 A..ATG
 2215512,2215754,243,END:Starts:2215342-2215330-2215312-
 2216079,2216182,104,EXACT,AG-GT
 2216747,2216843,97,EXACT,AG-GT
 2217773,2217994,222,START:Ends:2218276-2218239-2218258-
 ID=NCLIV_041200 - 2 GAGATGA
 2226440,2226711,272,END:Starts:2226334-2225644-
 2227131,2228856,1726,START:Ends:2227840-2227259-
 ID=NCLIV_041220 - 10 G..ATGG
 2238476,2238503,28,END:Starts:2237830-2237837-2237706-
 2238825,2238945,121,START: end -87 AG-GT
 2239395,2239491,97,EXACT,AG-GT
 2240235,2240459,225,START: end -63 AG-GT (ref:AC-GT)<< Possible error
 2241014,2241099,86,EXACT,AG-GT
 2241370,2241520,151,EXACT,AG-GT
 2241797,2241897,101,EXACT,AG-GT
 2243152,2243283,132,EXACT,AG-GT
 2243669,2244090,422,EXACT,AG-GT
 2244644,2245854,1211,START:Ends:2248128-2247691-2248042-
 ID=NCLIV_041230 - 1 G..ATGG
 2251717,2254128,2412
 ID=NCLIV_041260 - 3 G..ATGG
 2274875,2274917,43,OVER:Starts:2273668-2275318-
 2275318,2275509,192,END: start -1650 AG
 2275818,2276074,257,START:Ends:2277940-2277873-
 ID=NCLIV_041270 - 11 G..ATGG
 2280117,2280293,177,END:Starts:2279283-2279420-2279311-
 2280806,2281030,225,EXACT,AG-GT
 2281315,2281480,166,EXACT,AG-GT
 2281975,2282036,62,EXACT,AG-GT
 2282569,2282689,121,EXACT,GT
 2283172,2283251,80
 2283603,2283742,140
 2284273,2284401,129
 2285058,2285190,133
 2285570,2285688,119
 2286282,2286462,181
 ID=NCLIV_041290 - 6 A..ATG
 2293486,2293880,395
 2294283,2295249,967
 2295742,2296416,675
 2296706,2299699,2994
 2300056,2300394,339
 2300597,2300863,267
 ID=NCLIV_041310 - 7 G..ATGG
 2309458,2310576,1119,END:Starts:2307847-2306072-
 2311102,2311544,443,EXACT,AG-GT
 2311907,2312162,256,EXACT,AG-GT
 2312515,2312654,140,EXACT,AG-GT
 2313193,2313688,496,EXACT,AG-GT
 2314756,2314827,72,EXACT,AG-GT
 2315316,2315879,564,START:Ends:2317099-2318852-
 ID=NCLIV_041350 - 2 GACATGT
 2376532,2383978,7447

2384417,2387556,3140,OVER:Ends:2389013-2390381-
 ID=NCLIV_041360 - 1 GTGATGC
 2388591,2388971,381,OVER:Ends:2389013-2390381-
 ID=NCLIV_041370 - 6 [CT]...ATG[ACT]
 2395835,2395926,92,END:EXACT
 2396069,2396162,94,EXACT,GT
 2396504,2396564,61
 2396694,2396755,62
 2397475,2397584,110
 2398247,2398550,304
 ID=NCLIV_041380 - 6 A..ATG
 2401649,2401685,37,OVER:Starts:2401238-2400988-2400938-
 2402280,2402411,132,EXACT,AG-GT
 2402931,2403431,501
 2404257,2404467,211
 2404796,2405034,239,EXACT,AG-GT
 2405530,2407787,2258,START:Ends:2408786-2407521-
 ID=NCLIV_041400 - 5 A..ATG
 2416663,2417439,777
 2417886,2418101,216
 2418997,2419176,180
 2419450,2419531,82
 2419684,2419796,113
 ID=NCLIV_041420 - 7 AACTTCG
 2438086,2438199,114
 2438565,2438652,88
 2439068,2439801,734
 2440172,2440365,194
 2440763,2440928,166
 2442459,2443309,851
 2443815,2448000,4186
 ID=NCLIV_041430 - 1 A..ATG
 2449289,2451313,2025
 ID=NCLIV_041440 - 3 G..ATGG
 2453480,2454540,1061
 2455130,2455357,228
 2455897,2456005,109
 ID=NCLIV_041490 - 2 CAAATGG
 2501203,2503971,2769
 2504802,2504861,60
 ID=NCLIV_041530 - 5 A..ATG
 2527783,2528391,609,END:Starts:2525243-2527259-2525729-
 2529011,2529258,248,EXACT,AG-GT
 2529602,2529755,154,EXACT,AG-GT
 2530041,2530125,85,EXACT,AG-GT
 2530610,2532306,1697,START:Ends:2532422-2531645-2533018-
 ID=NCLIV_041550 - 4 A..ATG
 2545067,2545118,52
 2545989,2546052,64,END: start -196 AG
 2546615,2546718,104,EXACT,AG-GT
 2547038,2547450,413,START:Ends:2547812-2547502-2547801-
 ID=NCLIV_041560 - 19 A..ATG
 2550332,2550379,48,END:Starts:2549769-2549789-2549765-
 2551017,2551134,118,EXACT,AG-GT
 2551463,2551617,155,EXACT,AG-GT
 2552092,2552538,447,START: end -4 AG-GT
 2553088,2553246,159,EXACT,AG
 2554105,2554357,253,END: start -12 AG-GC
 2554619,2554710,92,EXACT,AG-GT
 2555174,2555263,90,START: end -20 GT

2555979,2556013,35,END: start 1 AG
 2556434,2556517,84,EXACT,TAG|TGA|TAA:AG-GT
 2556870,2557178,309,EXACT,GT
 2557311,2557402,92,EXACT,AG
 2557843,2558299,457,EXACT,AG-GT
 2558917,2559009,93,EXACT,AG-GT
 2559754,2560063,310,EXACT,GT
 2560886,2561167,282
 2561581,2562078,498,END: start 42 AG
 2562849,2563183,335,START: end -42 GT
 2563502,2563721,220
 ID=NCLIV_041580 - 2 A..ATG
 2577357,2577520,164,OVER:Starts:2576438-2576450-2576464-
 2577805,2577985,181,START:Ends:2578525-2578518-2578529-
 ID=NCLIV_041595 - 1 [CT]..ATG[ACT]
 2593711,2594508,798
 ID=NCLIV_041600 - 14 A..ATG
 2597248,2597439,192
 2597534,2597629,96
 2598494,2598617,124
 2599076,2599133,58
 2599548,2599666,119
 2600031,2600185,155
 2600301,2600463,163
 2600837,2601151,315
 2601583,2601721,139
 2601954,2602221,268
 2602370,2602439,70
 2602672,2603006,335
 2603505,2603789,285
 2604148,2604219,72
 ID=NCLIV_041620 - 16 GAGATGT
 2610769,2610900,132,END:Ends:2612795-2610900-
 2611527,2611718,192
 2612399,2613084,686
 2613553,2613876,324
 2614429,2614529,101
 2614961,2615141,181
 2615766,2615920,155
 2616444,2616508,65
 2617306,2617363,58,OVER: start -108 and end 653 AG
 2617786,2618016,231,END: start -588 AG
 2618468,2618598,131,EXACT,AG-GT
 2618969,2619065,97,EXACT,GT
 2619419,2619525,107
 2619881,2620113,233,EXACT,AG
 2621582,2621768,187
 2622244,2622462,219
 ID=NCLIV_041630 - 10 A..ATG
 2623926,2624635,710,OVER:Starts:2624789-2622777-
 2624789,2625123,335,END: start -2012 Info:AG-GT-AG-GC-
 2625892,2626167,276,EXACT,AG-GT
 2626634,2626846,213,EXACT,GT
 2627326,2627400,75
 2627867,2627974,108
 2628696,2629130,435
 2629543,2630126,584
 2630785,2630892,108
 2631406,2631780,375,OVER:Starts:2631405-2631379-
 ID=NCLIV_041640 - 4 G..ATGG

2636279,2636488,210,END:EXACT
2636846,2637093,248,EXACT,AG-GT
2637876,2637977,102,EXACT,AG-GT
2638315,2638774,460,START:Ends:2640463-2640385-2638812-
ID=NCLIV_041660 - 15 A..ATG
2652497,2652655,159,END:Starts:2651697-2651394-
2652857,2652924,68,EXACT,AG-GT
2653394,2653490,97,EXACT,GT
2654069,2654322,254,EXACT,AG
2654724,2654831,108,EXACT,AG-GT
2655063,2655478,416,EXACT,AG-GT
2656020,2656119,100,START: end -12 GT
2656535,2656624,90,END: start 11 AG
2656975,2657329,355,EXACT,AG-GT
2657771,2658034,264,EXACT,AG-GT
2658509,2658699,191,EXACT,AG-GT
2659486,2659552,67,EXACT,AG-GT
2659861,2660046,186,START: end -17 GT
2660426,2660525,100,END: start 3 AG
2661236,2661540,305,START:Ends:2661572-2661561-
ID=NCLIV_041700 - 6 A..ATG
2695059,2695250,192,OVER:Starts:2692893-2693439-
2695595,2695943,349
2696201,2696222,22
2696557,2696608,52
2696884,2697037,154
2697710,2697822,113
ID=NCLIV_041720 - 5 A..ATG
2714326,2714530,205,END:Starts:2713504-2713500-2713248-
2714960,2715143,184,EXACT,AG-GT
2716184,2716463,280,EXACT,AG-GT
2716895,2716975,81,START: end 318 GT
2717497,2717535,39
ID=NCLIV_041770 - 9 G..ATGG
2753439,2754053,615
2754504,2755571,1068,EXACT,GT
2756076,2756232,157
2756774,2759345,2572,START: end -1154 GT
2759656,2761108,1453,EXACT,GT
2761508,2761612,105
2762021,2764571,2551
2765209,2766279,1071
2766669,2767279,611
ID=NCLIV_041780 - 4 A..ATG
2770711,2770918,208,END:EXACT
2771336,2771579,244,EXACT,AG-GT
2772082,2772187,106,EXACT,AG-GT
2773374,2773376,3,START:EXACT
ID=NCLIV_041800 - 8 G..ATGG
2780292,2780420,129,END:Starts:2774431-2774413-2775443-
2781195,2781506,312,EXACT,AG-GT
2781924,2781992,69,EXACT,ATG:AG-GT
2782169,2782270,102,EXACT,AG-GT
2782981,2783077,97,EXACT,AG-GT
2783530,2783855,326,START: end 3 GT
2784055,2784275,221,END: start -2 AG (ref:AC-GT)<< Possible error
2784520,2784844,325,START:Ends:2785422-2785367-2786335-
ID=NCLIV_041830 - 8 A..ATG
2810117,2810286,170,END:Starts:2807687-2807497-2807728-
2810789,2810903,115,EXACT,AG-GT

2811846,2812075,230,START: end 708 AG-GT
2812644,2812783,140,END: start -798 AG-GT
2813526,2813584,59,EXACT,AG-GT
2814071,2814420,350,EXACT,AG-GT
2814925,2814974,50,START: end 4 TAG|TGA|TAA:AG-GT
2816018,2816286,269
ID=NCLIV_041840 - 5 A..ATG
2817382,2817516,135,OVER:Starts:2816670-2816083-2818479-
2817577,2817638,62,OVER: start -907 and end 1388 AG-GT (ref:AC-GT)<< Possible error
2817694,2817754,61,OVER: start -1024 and end 1272 AG-GT (ref:AC-GT)<< Possible error
2817810,2818056,247,OVER: start -1140 and end 970 AG-GT (ref:AC-GT)<< Possible error
2818112,2818197,86,OVER:Starts:2816670-2816083-2818479-
ID=NCLIV_041850 - 4 G..ATGG
2818812,2819026,215,END:Starts:2816670-2816083-2818479-
2819271,2819502,232,EXACT,AG-GT
2819616,2819705,90,EXACT,AG-GT
2819812,2820090,279,START:Ends:2820461-2820533-2822273-
ID=NCLIV_041870 - 9 G..ATGG
2829425,2829911,487,END:Starts:2827112-2827103-2828373-
2830503,2830650,148,START: end 906 AG-GT
2830996,2831556,561,END: start -493 AG-GT
2831839,2831943,105,EXACT,AG-GT
2832302,2832622,321,EXACT,AG-GT
2833109,2833258,150,EXACT,AG-GT
2833595,2833768,174,EXACT,AG-GT
2834262,2834389,128,EXACT,AG-GT
2834789,2834925,137,START:Ends:2839627-2835395-2846229-
ID=NCLIV_041890 - 2 A..ATG
2840962,2841061,100
2841253,2842319,1067
ID=NCLIV_041910 - 5 A..ATG
2847508,2847529,22
2847581,2847651,71
2847706,2847803,98
2847875,2847914,40
2847979,2848170,192
ID=NCLIV_041930 - 6 A..ATG
2852447,2852538,92,OVER:Starts:2851134-2852872-
2852872,2853079,208,EXACT,GT
2853370,2853470,101,EXACT,AG-GT
2854137,2854252,116,EXACT,AG-GT
2854688,2854736,49,EXACT,AG-GT
2855410,2855449,40,START:Ends:2856586-2856582-2856593-
ID=NCLIV_041940 - 2 A..ATG
2860337,2861278,942,END:EXACT
2861705,2861785,81,START:Ends:2861932-2861896-2861982-
ID=NCLIV_041970 - 18 A..ATG
2882020,2882182,163,OVER:Starts:2876615-2882449-2877670-
2882445,2882541,97,END: start -4775 AG (ref:AC-GT)<< Possible error
2883087,2883220,134,EXACT,AG-GT
2883540,2883709,170,EXACT,AG-GT
2884104,2884172,69,EXACT,AG-GT
2884469,2884585,117,EXACT,AG-GT
2884809,2884913,105,EXACT,AG-GT
2885399,2885673,275,EXACT,AG-GT
2886090,2886419,330,EXACT,AG-GT
2886728,2886857,130,EXACT,AG-GT
2887296,2887596,301,START: end -142 GT
2887887,2888184,298
2888623,2888782,160,END: start 126 Info:AG-GT-AG-GC-

2889488,2889851,364,EXACT,AG-GT
2890231,2890454,224,EXACT,AG-GT
2891218,2891348,131,EXACT,AG-GT
2891489,2891686,198,EXACT,AG-GT
2892205,2892472,268,START:Ends:2893200-2893105-
ID=NCLIV_041990 - 9 [CT]..ATG[ACT]
2896492,2896721,230,END:Starts:2896308-2893343-
2897292,2897403,112,EXACT,AG-GT
2897964,2898154,191,START: end 217 AG-GT
2898221,2898371,151,END: start -257 AG-GT
2898860,2898969,110,START: end 153 AG-GT
2899530,2899616,87
2900043,2900133,91
2900559,2900731,173
2901425,2901821,397
ID=NCLIV_042010 - 1 [CT]..ATG[ACT]
2910682,2912160,1479,OVER:Starts:2910391-2910390-
ID=NCLIV_042030 - 14 TCAATGG
2921226,2921307,82,END:Starts:2919808-2919998-2919757-
2921711,2921761,51,EXACT,GT
2922435,2922501,67
2922814,2922879,66
2923075,2923221,147
2923549,2923684,136
2924003,2924086,84
2924218,2924312,95
2924840,2924905,66
2925321,2925462,142
2925815,2925932,118
2926315,2926376,62
2927161,2927286,126,END: start 13 AG
2927984,2928325,342,START:Ends:2930880-2928518-
ID=NCLIV_042040 - 2 A..ATG
2933277,2933982,706
2934411,2936629,2219
ID=NCLIV_042080 - 4 G..ATGG
2959403,2959502,100
2959915,2960225,311
2960731,2961033,303
2962705,2963274,570
ID=NCLIV_042090 - 4 A..ATG
2966383,2966415,33
2966474,2966558,85
2966614,2966702,89
2966756,2966908,153
ID=NCLIV_042110 - 16 A..ATG
2968868,2968994,127,END:Starts:2968293-2968377-2968362-
2969226,2969322,97,EXACT,AG-GT
2969489,2969684,196,EXACT,AG-GT
2970169,2970231,63,EXACT,AG-GT
2970511,2970637,127,START: end 30 AG-GT
2970829,2970907,79,EXACT,AG-GT
2971117,2971399,283,EXACT,AG-GT
2971841,2972165,325,EXACT,AG-GT
2972504,2972732,229,EXACT,AG-GT
2973223,2973283,61,EXACT,AG-GT
2973567,2973727,161,EXACT,AG-GT
2973991,2974085,95,EXACT,AG-GT
2974554,2974773,220,EXACT,AG-GT
2975388,2975504,117,EXACT,AG-GT

2975826,2976077,252,EXACT,AG-GT
 2976740,2978447,1708,START:Starts:2976740-
 ID=NCLIV_042120 - 2 G..ATGG
 2982413,2983242,830,END:EXACT
 2983959,2984175,217,START:Ends:2984481-2984469-
 ID=NCLIV_042140 - 1 CCAATGG
 2987634,2989499,1866,OVER:EXACT
 ID=NCLIV_042150 - 2 GTCATGC
 2994737,2995437,701,END:Starts:2993544-2994364-2993388-
 2995900,2996011,112,START:Ends:2996402-2998557-3000289-
 ID=NCLIV_042170 - 8 CCGATGG
 3007150,3007178,29,END:Starts:3005526-3005582-3005511-
 3007628,3009521,1894,EXACT,AG-GT
 3009956,3010027,72,EXACT,AG-GT
 3010382,3011080,699,EXACT,AG-GT
 3011763,3013203,1441,EXACT,AG-GT
 3013470,3013861,392,EXACT,AG-GT
 3014164,3015651,1488,EXACT,AG-GT
 3015925,3023541,7617,START:Ends:3025096-3025072-3025153-
 ID=NCLIV_042180 - 22 G..ATGG
 3029527,3029586,60,END:Starts:3029094-3028773-
 3029911,3029986,76,EXACT,AG
 3030673,3030746,74,EXACT,AG-GT
 3031070,3031151,82,EXACT,AG-GT
 3031530,3031621,92,EXACT,AG-GT
 3032142,3032257,116,EXACT,AG-GT
 3032465,3032714,250,EXACT,AG-GT
 3033291,3033403,113,EXACT,GT
 3033800,3034097,298,EXACT,AG
 3034681,3034828,148,START: end -11 GT
 3035392,3035488,97
 3035977,3036028,52
 3036718,3037008,291
 3038187,3038208,22
 3039960,3040042,83,OVER: start -304 and end 474 AG (ref:AC-GT)<< Possible error
 3041027,3041114,88,EXACT,AG-GT
 3041546,3043895,2350,EXACT,TAGITGAI TAA:AG-GT
 3044247,3045531,1285,EXACT,AG-GT
 3045847,3046701,855,EXACT,AG-GT
 3047202,3047275,74,EXACT,AG-GT
 3047499,3047633,135,EXACT,AG-GT
 3048324,3048489,166,START:EXACT
 ID=NCLIV_042190 - 12 A..ATG
 3054466,3054541,76,END:EXACT
 3054948,3055030,83,EXACT,AG-GT
 3055567,3055668,102,EXACT,AG-GT
 3055877,3055944,68,EXACT,AG-GT
 3056174,3056312,139,EXACT,AG-GT
 3056498,3056554,57,EXACT,AG-GT
 3057261,3057330,70,EXACT,AG-GT
 3057806,3057952,147,EXACT,AG-GT
 3058512,3058663,152,START: end 649 AG-GT
 3059228,3059312,85,END: start -716 AG-GT
 3059764,3059991,228,EXACT,AG-GT
 3060255,3061231,977,START:Ends:3062058-3062060-
 ID=NCLIV_042200 - 1 A..ATG
 3064947,3067184,2238
 ID=NCLIV_042240 - 6 A..ATG
 3098877,3099974,1098
 3100393,3101287,895

3101831,3102945,1115
3103839,3103960,122
3104207,3111241,7035
3111767,3111779,13
ID=NCLIV_042261 - 8 A..ATG
3128041,3128307,267,END:EXACT
3128881,3129042,162,EXACT,AG-GT
3129391,3129485,95,END: start -37 AG-GT
3130005,3130112,108,END: start 5 AG-GT
3130426,3130540,115,EXACT,AG-GT
3130716,3130909,194,END: start -13 AG-GC
3131293,3131708,416,START: end 9 AG-GT
3132484,3132641,158,START:Ends:3133074-3133076-
ID=NCLIV_042265 - 11 TTAATGG
3138711,3138786,76,END:Starts:3138417-3138469-
3139011,3139115,105,EXACT,AG-GT
3139301,3139372,72,START: end 464 AG-GT
3139742,3139836,95,END: start -441 AG-GT
3140448,3140541,94,EXACT,AG-GT
3140777,3140883,107,EXACT,AG-GT
3141503,3141610,108,EXACT,AG-GT
3141799,3141914,116,EXACT,AG-GT
3142179,3142323,145,EXACT,AG-GT
3142584,3142844,261,EXACT,AG-GT
3143153,3143425,273,START:Ends:3143764-3143761-3143789-
ID=NCLIV_042270 - 13 [CT]..ATG[ACT]
3145335,3146033,699,END:Starts:3145319-3145316-3145339-
3146209,3146374,166,EXACT,AG-GT
3146471,3146580,110,EXACT,GT
3146784,3146907,124,EXACT,AG-GT
3147163,3147484,322,EXACT,Info:AG-GT-ATG:AG-GT-
3147606,3147940,335
3148204,3148334,131
3148617,3148826,210
3149709,3149801,93
3150082,3150256,175
3150462,3150966,505
3151207,3151378,172
3151511,3151828,318
ID=NCLIV_042280 - 2 G..ATGG
3162723,3162860,138
3163137,3164042,906
ID=NCLIV_042300 - 11 [CT]..ATG[ACT]
3187886,3188044,159,END:Starts:3184758-3187256-3187161-
3188435,3188770,336,EXACT,AG-GT
3189372,3189452,81,EXACT,AG-GT
3189730,3189980,251,START: end -14 GT
3190421,3190538,118,END: start 3 AG
3190796,3190903,108,EXACT,AG-GT
3191302,3191540,239,START: end 93 GT
3191917,3191971,55
3192478,3192637,160
3193269,3193563,295
3194057,3194210,154
ID=NCLIV_042320 - 3 A..ATG
3204166,3204296,131,END:Starts:3203717-3203667-3203638-
3204757,3205129,373,END: start -236 AG-GT (ref:AC-GT)<< Possible error
3205937,3206812,876,START:Ends:3207781-3206521-3207110-
ID=NCLIV_042350 - 6 G..ATGG
3220287,3220910,624,END:Starts:3219973-3219965-3219984-

3221045,3221220,176,EXACT,AG-GT
3221774,3221856,83,EXACT,AG-GT
3222312,3222410,99,START: end 13 GT
3222715,3222818,104
3223177,3224391,1215
ID=NCLIV_042360 - 1 TCAATGG
3227783,3228403,621
ID=NCLIV_042370 - 7 A..ATG
3231631,3231704,74,END:Starts:3231313-3231366-3231315-
3231995,3232103,109,EXACT,AG-GT
3232534,3232640,107,EXACT,AG-GT
3233131,3233272,142,START: end 2 GT
3233812,3233881,70,END: start 1 AG (ref:AC-GT)<< Possible error
3234134,3234241,108,EXACT,AG-GT
3234488,3234618,131,START:EXACT
ID=NCLIV_042380 - 7 CACATGG
3237779,3237835,57,END:EXACT
3238209,3238289,81,EXACT,AG-GT
3238873,3239059,187,EXACT,AG-GT
3239575,3239664,90,START: end -10 GT
3240276,3240319,44,END: start -1 AG (ref:AC-GT)<< Possible error
3240727,3240871,145,EXACT,AG-GT
3241234,3243524,2291,START:Ends:3244041-3243452-3244045-
ID=NCLIV_042390 - 4 A..ATG
3245759,3245830,72,END:Starts:3245685-3245645-3245631-
3246390,3246631,242,EXACT,AG-GT
3247248,3247292,45,EXACT,AG-GT
3247946,3248300,355,START:Ends:3248732-3248430-
ID=NCLIV_042410 - 14 CCCATGG
3254063,3254116,54,END:Starts:3253298-3251996-
3254912,3255067,156,END: start -81 AG-GT
3255573,3255733,161,EXACT,AG-GT
3255906,3256092,187,EXACT,AG-GT
3256192,3256395,204,EXACT,AG-GT
3256890,3257005,116,EXACT,AG-GT
3257307,3257411,105,EXACT,AG-GT
3257879,3258023,145,EXACT,AG-GT
3258506,3258634,129,EXACT,AG-GT
3258897,3259451,555,EXACT,AG-GT
3259888,3259986,99,EXACT,ATG:AG-GT
3260549,3260725,177,EXACT,AG-GT
3261004,3261593,590,EXACT,AG-GT
3262293,3262470,178,START:Ends:3263429-3263387-
ID=NCLIV_042420 - 18 A..ATG
3266133,3266220,88,END:EXACT
3266566,3266683,118,START: end 32 AG-GT
3267054,3267121,68,EXACT,AG-GT
3267684,3267817,134,END: start -36 AG-GC
3268338,3268631,294,START: end -1 GT
3268960,3269207,248,END: start 2 AG (ref:AC-GT)<< Possible error
3269395,3269473,79,END: start 21 AG-GC (ref:AC-GT)<< Possible error
3269724,3269948,225,START: end -15 GT
3270256,3270324,69,END: start 10 AG (ref:AC-GT)<< Possible error
3270705,3271060,356,EXACT,AG-GT
3271239,3271347,109,EXACT,AG-GT
3271630,3271696,67,EXACT,AG-GT
3272051,3272114,64,EXACT,AG-GT
3272441,3272612,172,EXACT,AG-GT
3272991,3273111,121,EXACT,AG-GT
3273450,3273589,140,START: end -3 GT

3274012,3274196,185,END: start 3 AG (ref:AC-GT)<< Possible error
3274582,3274813,232,START:Ends:3277070-3275487-3277060-
ID=NCLIV_042430 - 1 TATATGG
3279330,3280619,1290
ID=NCLIV_042440 - 1 G..ATGG
3283293,3285857,2565
ID=NCLIV_042450 - 8 A..ATG
3288506,3288822,317,END:Starts:3287559-3287569-3287562-
3289159,3289251,93,EXACT,AG-GT
3289749,3289966,218,EXACT,AG-GT
3290207,3290343,137,START: end -1 GT (ref:AC-GT)<< Possible error
3290707,3290861,155,EXACT,AG
3291348,3291490,143,START: end -117 GT
3291952,3292029,78,START: end 1228 GT
3292644,3292810,167,OVER:Ends:3292315-3293257-
ID=NCLIV_042460 - 10 [CT]..ATG[ACT]
3295438,3295488,51,END:Starts:3294580-3294564-3294577-
3296803,3296868,66,END: start 8 AG
3297380,3297427,48,EXACT,AG-GT
3298173,3298250,78,EXACT,AG-GT
3298818,3299335,518,EXACT,AG-GT
3299865,3299937,73,START: end -4 GT
3300299,3300338,40
3300700,3304242,3543
3304549,3304651,103
3305679,3305799,121
ID=NCLIV_042490 - 6 A..ATG
3321176,3321757,582,END:Starts:3320845-3320848-3320846-
3322307,3322444,138,EXACT,AG-GT
3322989,3323110,122,EXACT,AG-GT
3323387,3323744,358,EXACT,AG-GT
3324007,3324326,320,START: end -130 GT
3324900,3325347,448
ID=NCLIV_042520 - 7 G..ATGG
3341538,3342067,530,END:Starts:3336644-3333428-
3342694,3342822,129,START: end -1 GT
3343386,3343564,179,END: start 9 AG (ref:AC-GT)<< Possible error
3343806,3344462,657,EXACT,AG-GT
3344845,3344965,121,EXACT,AG-GT
3345373,3346612,1240,START: end -1106 GT
3347625,3350207,2583
ID=NCLIV_042540 - 6 A..ATG
3368479,3368581,103,END:Starts:3367906-3367801-3367803-
3369085,3369576,492,EXACT,AG-GT
3370275,3370642,368,EXACT,AG-GT
3371117,3371164,48,EXACT,AG-GT
3371574,3371679,106,EXACT,AG-GT
3372157,3372407,251,START:Ends:3372719-3372723-3372722-
ID=NCLIV_042560 - 1 A..ATG
3378590,3379066,477
ID=NCLIV_042570 - 17 A..ATG
3382535,3382598,64,END:Starts:3381823-3381850-3381846-
3383104,3383180,77,EXACT,AG-GT
3383696,3383797,102,EXACT,AG-GT
3384427,3384534,108,EXACT,AG-GT
3385011,3385140,130,EXACT,AG-GT
3385432,3385516,85,EXACT,AG-GT
3386093,3386168,76,START: end 2 GT
3386666,3386732,67,START: end 85 GT
3387152,3387466,315

3387669,3387769,101
3388137,3388217,81
3388725,3388949,225
3389624,3389837,214
3390248,3390378,131
3391206,3391408,203
3392029,3392166,138,END: start 21 AG
3392597,3392972,376,START:Ends:3393601-3393493-
ID=NCLIV_042580 - 1 GGAATGA
3397917,3399476,1560
ID=NCLIV_042600 - 7 A..ATG
3410498,3410569,72
3410628,3410687,60
3410751,3410846,96
3410901,3410931,31
3410990,3411077,88
3411141,3411172,32
3411227,3411423,197
ID=NCLIV_042610 - 6 CACATGG
3413640,3415170,1531
3415950,3416214,265,END: start -353 AG-GT
3416559,3418125,1567,START: end -76 GT
3418567,3419544,978
3419847,3420269,423,END: start 119 AG
3420703,3423849,3147,START:Ends:3424881-3421441-
ID=NCLIV_042630 - 14 A..ATG
3438523,3438760,238,END:Starts:3437887-3437853-3437839-
3439283,3439488,206,EXACT,AG-GT
3439918,3440028,111,EXACT,AG-GT
3440531,3440655,125,EXACT,AG-GT
3441192,3441373,182,EXACT,AG-GT
3442248,3442329,82,EXACT,AG-GT
3442833,3442991,159,START: end -57 GT
3443278,3443321,44
3443935,3444024,90,EXACT,AG
3444247,3444377,131,EXACT,AG-GT
3444763,3447340,2578,EXACT,Info:AG-GC-AG-GT-
3447700,3447761,62,EXACT,GT
3448644,3449006,363,EXACT,AG
3449720,3449812,93,START:Ends:3450131-3450844-
ID=NCLIV_042650 - 6 A..ATG
3461801,3461884,84,END:EXACT
3462105,3462311,207,EXACT,AG-GT
3462681,3462830,150,EXACT,AG-GT
3463263,3463388,126,EXACT,AG-GT
3463763,3464446,684,START: end 105 GT
3464699,3464830,132,OVER:EXACT
ID=NCLIV_042670 - 8 A..ATG
3477435,3478676,1242
3479115,3479258,144
3479545,3479651,107,EXACT,Code:INTERNAL-
3480049,3480338,290,EXACT,AG-GT
3480855,3481089,235,EXACT,AG-GT
3481403,3481603,201,EXACT,AG-GT
3481874,3482152,279,START: end -7 GT
3482488,3488416,5929
ID=NCLIV_042720 - 13 A..ATG
3529678,3529776,99,END:Ends:3529432-3529776-
3529924,3530018,95,START: end 570 AG-GT (ref:AC-GT)<< Possible error
3530456,3530588,133,END: start -532 AG-GT (ref:AC-GT)<< Possible error

3531168,3531304,137,EXACT,AG-GT
3531875,3531978,104,EXACT,AG-GT
3532272,3532341,70,START: end 596 AG-GT
3532784,3532937,154,END: start -512 AG-GT
3533218,3533358,141,EXACT,AG-GT
3534189,3534376,188,EXACT,AG-GT
3534969,3535170,202,EXACT,AG-GT
3535967,3536119,153,EXACT,AG-GT
3536759,3536816,58,EXACT,AG-GT
3537265,3537296,32,START:Ends:3538004-3537952-3538026-
ID=NCLIV_042750 - 5 G..ATGG
3553540,3553687,148
3554177,3556450,2274
3556886,3557008,123
3557282,3557522,241,EXACT,AG
3557985,3558114,130,START:Ends:3558956-3559526-
ID=NCLIV_042770 - 4 GTCATGA
3567688,3567960,273,END:Starts:3567102-3567291-
3568353,3568472,120,START: end -11 GT
3569196,3569317,122,END: start 51 AG-GT
3569857,3569962,106,START:Ends:3570691-3570628-
ID=NCLIV_042810 - 12 A..ATG
3593130,3593197,68,END:EXACT
3593298,3593473,176,EXACT,AG-GT
3593649,3593730,82,EXACT,AG-GT
3593839,3593906,68,EXACT,AG-GT
3594044,3594180,137,EXACT,AG-GT
3594583,3594765,183,EXACT,AG-GT
3595157,3595231,75,EXACT,AG-GT
3595528,3595608,81,EXACT,GT
3596418,3596924,507
3598857,3598935,79
3599240,3599343,104
3599957,3600088,132
ID=NCLIV_042820 - 16 A..ATG
3603651,3603926,276,END:Starts:3602981-3602912-3602933-
3604319,3604460,142,EXACT,AG-GT
3604898,3605035,138,EXACT,AG-GT
3605259,3605605,347,EXACT,AG-GT
3606048,3606314,267,EXACT,AG-GT
3606789,3607061,273,EXACT,AG-GT
3607438,3607923,486,EXACT,AG-GT
3608237,3608573,337,START: end 526 AG-GT (ref:AC-GT)<< Possible error
3608923,3609099,177,END: start -686 AG-GT (ref:AC-GT)<< Possible error
3609366,3609736,371,START: end 5 GT
3610174,3611367,1194,EXACT,AG
3611786,3612011,226,EXACT,AG-GT
3612242,3612389,148,EXACT,AG-GT
3612712,3612940,229,EXACT,AG-GT
3613509,3614054,546,EXACT,AG-GT
3614940,3614981,42,START:Ends:3616129-3616126-
ID=NCLIV_042840 - 2 GCGATGT
3641605,3642795,1191
3642893,3643543,651
ID=NCLIV_042850 - 2 A..ATG
3645997,3647061,1065
3647330,3647977,648
ID=NCLIV_042860 - 4 CATATGG
3653714,3653764,51,END:Starts:3653058-3653190-3653176-
3654028,3654173,146,EXACT,AG-GT

3654844,3660015,5172,END: start -225 AG-GT
3660318,3662190,1873,START:Ends:3663164-3663166-
ID=NCLIV_042880 - 1 A..ATG
3683240,3683854,615
ID=NCLIV_042890 - 33 CGTATGG
3688816,3688953,138,END:Starts:3687916-3687926-3687963-
3689329,3689438,110,EXACT,AG-GT
3690175,3690332,158,EXACT,AG-GT
3690712,3690959,248,EXACT,GT
3691232,3691441,210,EXACT,AG
3692026,3692331,306,EXACT,AG-GT
3692802,3692961,160,EXACT,GT
3693385,3693604,220,EXACT,AG-GT
3694345,3694621,277,EXACT,AG-GT
3695106,3695240,135,EXACT,AG-GT
3695666,3695803,138,EXACT,AG-GT
3696074,3696193,120,START: end -24 GT
3696479,3696608,130
3697047,3697199,153
3697729,3697832,104
3698480,3698621,142
3699188,3699457,270
3699916,3700001,86
3700139,3700303,165,START: end -17 GT
3700800,3701429,630
3701821,3701978,158
3702664,3702762,99
3703149,3703332,184
3704107,3704339,233
3704752,3704885,134
3705261,3705433,173
3706053,3706159,107
3706529,3706827,299
3707197,3707387,191
3708061,3708490,430
3708874,3709450,577
3710027,3710125,99
3710425,3710986,562
ID=NCLIV_042940 - 3 TCCATGG
3748989,3749222,234,END:Starts:3748520-3748452-
3749609,3749888,280,EXACT,AG
3750388,3750740,353,START:Ends:3751346-3751354-
ID=NCLIV_043000 - 3 A..ATG
3813536,3813571,36
3814152,3814360,209
3815000,3815012,13
ID=NCLIV_043010 - 4 A..ATG
3825887,3825949,63
3826174,3826272,99
3826571,3826666,96
3826784,3826843,60
ID=NCLIV_043020 - 24 A..ATG
3836051,3836762,712,END:Starts:3835053-3835130-3835438-
3837218,3837822,605,EXACT,AG-GT
3838185,3838532,348,EXACT,AG-GT
3838945,3839100,156,EXACT,AG-GT
3839335,3839595,261,EXACT,AG-GT
3840079,3840297,219,EXACT,AG-GT
3841059,3841366,308,EXACT,AG-GT
3841896,3842072,177,EXACT,AG-GT

3842273,3842380,108,EXACT,AG-GT
 3842772,3842982,211,EXACT,AG-GT
 3843662,3843904,243,EXACT,AG-GT
 3844219,3844866,648,EXACT,AG-GT
 3845560,3846536,977,EXACT,AG-GT
 3846868,3849618,2751,EXACT,AG-GT
 3849861,3853194,3334,START: end -2374 GT
 3853530,3853708,179,EXACT,AG-GT
 3853993,3854161,169,EXACT,AG-GT
 3854590,3855600,1011,EXACT,AG-GT
 3856092,3858179,2088,EXACT,AG-GT
 3858696,3858959,264,START: end -151 GT
 3859374,3859802,429,EXACT,GT
 3860481,3860962,482
 3861549,3861753,205,END: start 34 AG
 3862284,3862622,339,START:Ends:3863707-3863723-
 ID=NCLIV_043030 - 1 A..ATG
 3866535,3867230,696,END:Starts:3865931-3865932-
 ID=NCLIV_043040 - 6 A..ATG
 3870929,3871008,80,END:Starts:3870192-3870230-3870189-
 3871768,3871871,104,EXACT,AG-GT
 3872248,3872330,83,EXACT,AG-GT
 3872623,3872675,53,EXACT,AG-GT
 3873093,3873229,137,EXACT,AG-GT
 3873835,3873992,158,START:Ends:3874670-3874646-3874665-
 ID=NCLIV_043090 - 8 [CT]..ATG[ACT]
 3898902,3898965,64,OVER:Starts:3898634-3898617-3898103-
 3899302,3899381,80,END: start -685 AG (ref:AC-GT)<< Possible error
 3899795,3899873,79,EXACT,AG-GT
 3900073,3901553,1481
 3902323,3902573,251,END: start -2100 AG
 3903405,3903856,452,EXACT,GT
 3904166,3904519,354
 3905022,3905101,80
 ID=NCLIV_043110 - 7 A..ATG
 3916155,3916394,240,END:EXACT
 3916642,3916725,84,EXACT,AG-GT
 3917013,3917493,481,EXACT,AG-GT
 3917992,3918032,41,EXACT,AG-GT
 3918445,3918480,36,EXACT,AG-GT
 3919090,3919254,165,EXACT,AG-GT
 3919969,3920082,114,START:Ends:3920813-3920235-3920258-
 ID=NCLIV_043130 - 1 GCGATGT
 3931302,3931979,678
 ID=NCLIV_043150 - 2 A..ATG
 3939925,3939950,26
 3940860,3941802,943
 ID=NCLIV_043170 - 1 A..ATG
 3945880,3947097,1218
 ID=NCLIV_043180 - 15 A..ATG
 3950453,3950722,270
 3951177,3951305,129,END: start -150 Info:AG to Stop Codon:donor=CT-AG-GC-AG-GT- (ref:AC-
 GT)<< Possible error
 3951827,3951950,124,EXACT,AG-GT
 3952579,3952714,136,EXACT,AG-GT
 3953249,3953377,129,EXACT,AG-GT
 3953663,3953782,120,EXACT,AG-GT
 3954262,3954408,147,EXACT,AG-GT
 3955063,3955149,87,START: end -6 Info:Start Codon:AG-GT-AG-GT-acceptor=CC-
 3955412,3955535,124,END: start -4 AG (ref:AC-GT)<< Possible error

3955815,3955982,168,EXACT,AG-GT
3956448,3956571,124,EXACT,AG-GT
3957136,3957335,200,EXACT,AG-GT
3957757,3957906,150,EXACT,AG-GT
3958021,3958206,186,EXACT,AG-GT
3958861,3959154,294,START:Ends:3960355-3960092-3960275-
ID=NCLIV_043190 - 2 A..ATG
3962459,3963800,1342,END:Starts:3962201-3962057-
3964472,3965553,1082,START:Ends:3965078-3966356-
ID=NCLIV_043220 - 5 A..ATG
3989142,3989189,48,END:Starts:3986317-3986546-3986244-
3989851,3992981,3131,START: end -11 GT
3993526,3993749,224
3994097,3994196,100
3994973,3995756,784
ID=NCLIV_043230 - 1 A..ATG
3999332,4001137,1806
ID=NCLIV_043250 - 2 A..ATG
4003454,4003629,176,END:Starts:4003386-4003401-4003368-
4004042,4004045,4,START:Ends:4004187-4004174-4004363-
ID=NCLIV_043270 - 4 A..ATG
4016357,4017120,764,END:Starts:4015916-4015930-4016280-
4017370,4017448,79,EXACT,TAG|TGA|TAA:AG-GT
4017824,4018290,467,EXACT,AG-GT
4018563,4018635,73,START:Ends:4018955-4018829-4018854-
ID=NCLIV_043290 - 3 G..ATGG
4024669,4025087,419
4025386,4025463,78,EXACT,AG
4025756,4026224,469,START:Ends:4026722-4026779-
ID=NCLIV_043320 - 12 GGGATGT
4041693,4042294,602,END:Starts:4039415-4040742-4040660-
4042759,4042824,66,EXACT,AG-GT
4043297,4043486,190,EXACT,AG-GT
4043775,4043826,52,EXACT,AG-GT
4044568,4044670,103,EXACT,AG-GT
4045134,4045233,100,EXACT,AG-GT
4045724,4045771,48,EXACT,AG-GT
4046213,4046310,98,EXACT,GT
4047024,4047117,94,EXACT,AG
4047656,4047727,72,EXACT,AG-GT
4048052,4048153,102,EXACT,AG-GT
4048549,4048689,141,START:Ends:4048662-4048710-
ID=NCLIV_043330 - 4 A..ATG
4050655,4050957,303,END:EXACT
4051618,4051793,176,EXACT,AG-GT
4052180,4052297,118,EXACT,AG-GT
4053342,4053356,15,START:Ends:4053466-4053449-4053489-
ID=NCLIV_043340 - 6 A..ATG
4055888,4057225,1338
4057861,4060399,2539,EXACT,Code:INTERNAL-
4060804,4061158,355,START: end 1851 GT
4061439,4061748,310,OVER: start -635 and end 1261 GT
4062207,4062339,133,OVER: start -1403 and end 670 GT
4063011,4063252,242
ID=NCLIV_043350 - 2 A..ATG
4065140,4065235,96
4065526,4065864,339
ID=NCLIV_043360 - 4 A..ATG
4067588,4068100,513,END:Starts:4066604-4067592-4067378-
4068230,4068430,201,EXACT,AG-GT

4068558,4068704,147,EXACT,AG-GT
 4068889,4069071,183,START:Ends:4069528-4069503-4069508-
 ID=NCLIV_043370 - 3 A..ATG
 4070611,4072357,1747,END:Starts:4070261-4069698-
 4073022,4073203,182,EXACT,AG
 4073346,4076120,2775,START:Ends:4077209-4073637-
 ID=NCLIV_043380 - 7 A..ATG
 4080070,4080153,84,END:Starts:4079588-4079282-4079365-
 4080548,4080617,70,EXACT,AG-GT
 4081137,4081376,240,EXACT,AG-GT
 4081621,4082112,492,END: start 33 AG-GC (ref:AC-GT)<< Possible error
 4082390,4082477,88,EXACT,AG-GT
 4083059,4083148,90,EXACT,TAG|TGA|TAA:AG-GT
 4083616,4083703,88,START:Ends:4085031-4085247-4085092-
 ID=NCLIV_043390 - 13 A..ATG
 4086772,4087211,440,END:Starts:4086703-4086597-4086337-
 4087709,4087803,95,EXACT,AG-GT
 4088478,4088635,158,EXACT,TAG|TGA|TAA:AG-GT
 4088926,4089112,187,EXACT,AG-GT
 4089643,4089977,335,EXACT,AG-GT
 4090240,4090435,196,EXACT,AG-GT
 4090609,4092638,2030,EXACT,AG-GT
 4092939,4093277,339,EXACT,AG-GT
 4093576,4094352,777,EXACT,AG-GT
 4094736,4095164,429,EXACT,AG-GT
 4095639,4095834,196,EXACT,AG-GT
 4096405,4097054,650,EXACT,AG-GT
 4097268,4097597,330,START:Ends:4099003-4098894-4099152-
 ID=NCLIV_043410 - 7 A..ATG
 4112988,4113118,131,END:Starts:4112371-4112429-4112435-
 4113465,4113925,461,EXACT,AG-GT
 4114565,4114679,115,EXACT,AG-GT
 4114893,4115050,158,START: end -18 GT
 4115487,4115575,89
 4115991,4117967,1977,END: start 14 AG (ref:AC-GT)<< Possible error
 4118562,4120103,1542,START:Ends:4121189-4118821-4121238-
 ID=NCLIV_043500 - 1 A..ATG
 4161838,4162923,1086
 ID=NCLIV_043510 - 1 [CT]..ATG[ACT]
 4169340,4178168,8829
 ID=NCLIV_043530 - 1 [CT]..ATG[ACT]
 4197140,4197487,348
 ID=NCLIV_043540 - 3 GATATGT
 4201492,4201531,40
 4202114,4202429,316
 4202569,4203853,1285
 ID=NCLIV_043560 - 5 [CT]..ATG[ACT]
 4221313,4221630,318,END:Starts:4221032-4221119-4221036-
 4221959,4223047,1089,EXACT,AG-GT
 4223557,4227798,4242,EXACT,AG-GT
 4228521,4229066,546,START: end 1435 GT
 4230401,4230415,15,OVER:Ends:4230501-4230044-4235088-
 ID=NCLIV_043580 - 10 A..ATG
 4239591,4240530,940,END:Starts:4237017-4237042-4237019-
 4240795,4240912,118,START: end -20 GT
 4241095,4241684,590,END: start 4 AG (ref:AC-GT)<< Possible error
 4242033,4242139,107,EXACT,AG-GT
 4242425,4242896,472,EXACT,AG-GT
 4243368,4246750,3383,EXACT,AG-GT
 4246977,4247371,395,EXACT,AG-GT

4247777,4247870,94,EXACT,AG-GT
 4248142,4248435,294,EXACT,AG-GT
 4248881,4249855,975,START:Ends:4250980-4250194-
 ID=NCLIV_043600 - 1 TTCATGG
 4265381,4266643,1263
 ID=NCLIV_043601 - 1 GGAATGA
 4268755,4269783,1029
 ID=NCLIV_043610 - 3 GCCATGA
 4271496,4273840,2345
 4274068,4274350,283
 4274745,4282517,7773
 ID=NCLIV_043650 - 4 A..ATG
 4303776,4303928,153,END:Starts:4301563-4303364-4301453-
 4304232,4304367,136,EXACT,AG-GT
 4305350,4305458,109,EXACT,AG-GT
 4305822,4306953,1132,START:Ends:4307434-4308046-4307601-
 ID=NCLIV_043670 - 1 A..ATG
 4316825,4317109,285
 ID=NCLIV_043680 - 3 A..ATG
 4318999,4319083,85
 4319548,4319800,253
 4320311,4320587,277
 ID=NCLIV_043690 - 1 A..ATG
 4322615,4323277,663
 ID=NCLIV_043710 - 10 G..ATGG
 4339695,4340375,681,END:Starts:4339029-4338910-4339028-
 4340548,4340607,60,EXACT,AG-GT
 4340945,4341019,75,EXACT,AG-GT
 4341343,4341433,91,EXACT,AG-GT
 4341745,4341935,191,START: end 2 GT
 4342324,4342383,60,END: start -256 AG (ref:AC-GT)<< Possible error
 4342923,4343367,445,EXACT,ATG:AG-GT
 4343633,4343712,80,EXACT,AG-GT
 4344148,4344687,540,EXACT,AG-GT
 4344904,4345182,279,START:Ends:4345992-4346002-4346096-
 ID=NCLIV_043740 - 2 [CT]..ATG[ACT]
 4394163,4394746,584
 4395082,4395451,370
 ID=NCLIV_043760 - 1 A..ATG
 4407741,4408238,498
 ID=NCLIV_043770 - 3 GCCATGT
 4411819,4411907,89,END:Starts:4411755-4410060-4409857-
 4412380,4412458,79,EXACT,AG-GT
 4412710,4415454,2745,START:Ends:4417580-4415941-4412718-
 ID=NCLIV_043780 - 5 A..ATG
 4421911,4422485,575,END:EXACT
 4422814,4425204,2391,EXACT,AG-GT
 4425472,4425663,192,EXACT,AG-GT
 4425891,4426238,348,EXACT,AG-GT
 4426862,4427273,412,START:Ends:4429196-4427702-4429201-
 ID=NCLIV_043810 - 1 A..ATG
 4456495,4457574,1080
 ID=NCLIV_043820 - 1 A..ATG
 4461652,4462749,1098
 ID=NCLIV_043830 - 1 [CT]..ATG[ACT]
 4465628,4466686,1059
 ID=NCLIV_043840 - 1 A..ATG
 4470135,4471211,1077
 ID=NCLIV_043850 - 1 [CT]..ATG[ACT]
 4474189,4474887,699

ID=NCLIV_043860 - 1 A..ATG
4478149,4479228,1080

ID=NCLIV_043861 - 1 A..ATG
4479555,4480181,627

ID=NCLIV_043880 - 4 A..ATG
4493383,4493515,133,END:Starts:4491875-4492485-4492474-
4494412,4494623,212,EXACT,AG-GT
4495032,4495188,157,EXACT,AG-GT
4495354,4495568,215,START:EXACT

ID=NCLIV_043890 - 12 A..ATG
4499029,4499083,55,END:Starts:4498604-4498657-4498499-
4499408,4499469,62,EXACT,AG-GT
4499932,4500666,735,START: end -38 GT
4501158,4501248,91,END: start 7 AG
4502126,4502286,161,EXACT,AG-GT
4502733,4502805,73,EXACT,AG-GT
4503116,4504306,1191,EXACT,AG-GT
4504626,4504889,264,START: end 1542 AG-GT
4505391,4506431,1041,END: start -765 AG-GT
4507108,4507265,158,EXACT,AG-GT
4507711,4508142,432,EXACT,GT
4508618,4509889,1272,START:Ends:4510555-4510562-

ID=NCLIV_043920 - 1 A..ATG
4521939,4525289,3351,OVER:Ends:4528117-4527961-

ID=NCLIV_043940 - 4 G..ATGG
4547667,4547761,95,OVER:Starts:4547246-4547257-4548033-
4548062,4548260,199,END: start -805 AG (ref:AC-GT)<< Possible error
4548569,4548631,63,EXACT,AG-GT
4548858,4549967,1110,START:Ends:4551532-4550926-4549992-

ID=NCLIV_043950 - 8 A..ATG
4554950,4555162,213,END:Starts:4552728-4553152-4552784-
4555655,4555878,224,EXACT,AG-GT
4556323,4556500,178,EXACT,AG-GT
4556929,4557038,110,EXACT,AG-GT
4557719,4557917,199,EXACT,AG-GT
4558462,4558571,110,EXACT,GT
4558979,4559366,388,START: end 48 NONE
4560016,4560045,30

ID=NCLIV_043960 - 10 A..ATG
4565686,4565907,222,END:Starts:4565225-4565279-4565294-
4566324,4570765,4442,START: end -2974 GT
4571105,4571447,343,START: end 65 GT
4571966,4572129,164,END: start -343 Info:AG-GT-AG-GC-
4572578,4572715,138,EXACT,AG-GT
4573246,4573324,79,EXACT,AG-GT
4573697,4573807,111,EXACT,AG-GT
4574246,4575654,1409,EXACT,AG-GT
4576294,4576422,129,EXACT,AG-GT
4576912,4577386,475,START:Ends:4577064-4581131-

ID=NCLIV_044020 - 12 [CT]..ATG[ACT]
4608881,4609267,387,END:Starts:4608062-4608055-4608044-
4609719,4610019,301,EXACT,AG-GT
4610377,4610462,86,EXACT,GT
4610996,4611090,95
4611508,4611550,43
4611616,4611696,81
4612030,4612120,91,END: start 1 AG (ref:AC-GT)<< Possible error
4612353,4612389,37,EXACT,AG-GT
4612791,4612878,88,EXACT,AG-GT
4613312,4614238,927,EXACT,AG-GT

4614720,4615369,650,START: end 915 GT
 4616857,4616953,97,OVER:Starts:4617516-4616415-
 ID=NCLIV_044040 - 13 A..ATG
 4623905,4624007,103
 4624321,4624415,95
 4624699,4624748,50
 4624850,4624904,55
 4625165,4625322,158
 4625668,4625776,109
 4626148,4626228,81
 4626683,4626838,156
 4627290,4627406,117
 4627570,4627780,211
 4627898,4628039,142
 4628281,4628480,200
 4629765,4629862,98
 ID=NCLIV_044050 - 5 TCAATGG
 4631775,4632368,594
 4632604,4632654,51
 4633252,4633449,198
 4633803,4633904,102
 4634715,4634717,3
 ID=NCLIV_044090 - 4 TGCATGG
 4662675,4662803,129,OVER:Starts:4659635-4659519-
 4663362,4663568,207,EXACT,AG-GT
 4664135,4664378,244,EXACT,GT
 4664718,4665583,866,START:EXACT
 ID=NCLIV_044100 - 5 GACATGC
 4669945,4670087,143
 4670238,4670342,105
 4670739,4670934,196
 4671171,4671277,107
 4671894,4672041,148
 ID=NCLIV_044110 - 3 G..ATGG
 4675332,4676570,1239
 4677051,4677208,158,OVER: start -1636 and end 191 GT
 4677336,4678635,1300
 ID=NCLIV_044130 - 5 A..ATG
 4683916,4684034,119,END:Starts:4682939-4683018-
 4684539,4684626,88,EXACT,AG-GT
 4685064,4685152,89,END: start -45 AG-GT
 4685340,4685472,133,END: start 5 AG
 4685799,4685975,177,START:EXACT
 ID=NCLIV_044140 - 6 CCCATGG
 4693156,4694321,1166,OVER:Starts:4692889-4691538-4691531-
 4694644,4695047,404,EXACT,AG-GT
 4695333,4695393,61,EXACT,AG-GT
 4695790,4695926,137,START: end 1 GT
 4697004,4701822,4819
 4702360,4702726,367
 ID=NCLIV_044170 - 26 [CT]..ATG[ACT]
 4723251,4723627,377,OVER:Starts:4723000-4723078-
 4724279,4724771,493,END: start -1201 AG
 4725469,4726689,1221,EXACT,AG
 4726914,4727077,164,START: end -132 GT
 4727555,4727869,315
 4728115,4728169,55
 4728562,4728673,112
 4729101,4729192,92
 4729792,4729928,137

4730173,4730319,147
4730662,4730713,52
4731174,4731818,645
4732505,4732569,65
4732960,4733050,91
4733177,4733301,125
4733801,4734015,215
4734486,4734539,54
4734757,4735052,296
4735290,4735408,119
4735791,4735846,56
4736213,4736268,56
4736888,4736952,65
4737430,4737778,349
4738365,4738484,120
4738980,4739112,133
4739747,4739766,20
ID=NCLIV_044185 - 6 A..ATG
4760170,4760256,87
4760313,4760370,58
4760435,4760533,99
4760590,4760650,61
4760789,4760848,60
4760996,4761092,97
ID=NCLIV_044200 - 13 CGGATGG
4778705,4778853,149,END:Starts:4768309-4777664-4777668-
4779317,4779388,72,START: end 1 GT
4779996,4780080,85,START: end -75 GT
4780611,4780760,150
4781457,4781537,81
4782206,4782295,90
4782690,4782718,29
4783000,4783117,118,END: start -2 AG
4783502,4783644,143,EXACT,AG-GT
4784178,4784337,160,END: start -9 AG-GC
4784922,4785074,153,EXACT,AG-GT
4785628,4785975,348,START: end -118 GT
4788040,4788324,285
ID=NCLIV_044210 - 11 GAAATGT
4790945,4791128,184,END:Starts:4790047-4790600-4790052-
4791349,4791437,89,START: end 3 GT
4791954,4792086,133,EXACT,AG-GT
4792755,4792930,176,EXACT,AG-GT
4793299,4793466,168,START: end -1 GT
4794101,4794300,200,END: start 1 AG (ref:AC-GT)<< Possible error
4794761,4794785,25
4795303,4795417,115,EXACT,AG-GT
4795851,4795941,91,EXACT,AG-GT
4796475,4797093,619,EXACT,AG-GT
4797728,4798021,294,START:Ends:4798941-4798685-4799368-
ID=NCLIV_044230 - 13 A..ATG
4812830,4814582,1753,END:Starts:4810893-4811622-4811152-
4814815,4815671,857,EXACT,AG-GT
4816154,4816258,105,EXACT,AG-GT
4816650,4816698,49,EXACT,AG-GT
4817342,4817514,173,EXACT,AG-GT
4817925,4818179,255,EXACT,AG-GT
4818693,4818998,306,EXACT,AG-GT
4819220,4819324,105,EXACT,AG-GT
4819821,4820965,1145

4821300,4821482,183,END: start 12 AG (ref:AC-GT)<< Possible error
4821955,4822490,536,EXACT,AG-GT
4822789,4823072,284,EXACT,AG-GT
4823585,4824529,945,START:Ends:4828781-4825286-4828347-
ID=NCLIV_044250 - 56 G..ATGG
4833334,4833395,62
4833997,4834099,103
4834428,4834550,123
4835236,4836000,765
4836255,4836429,175
4837540,4838114,575
4838327,4838542,216
4838984,4839203,220
4839523,4839660,138
4840217,4840730,514
4841079,4841276,198
4841585,4841820,236
4842118,4842286,169
4842699,4843074,376
4844401,4844526,126
4845166,4845996,831
4846409,4846602,194
4846800,4847103,304
4847797,4848045,249
4848274,4848534,261
4849073,4849478,406
4850114,4850404,291
4851290,4851440,151
4851897,4852225,329
4852361,4852673,313
4853064,4853277,214
4853976,4854288,313
4855045,4856339,1295
4857265,4857494,230,END: start -425 AG (ref:AC-GT)<< Possible error
4857965,4858203,239,START: end -5 GT
4858635,4859063,429,EXACT,AG-GT
4859482,4859824,343,EXACT,GT
4860193,4860339,147
4860750,4860984,235,END: start -447 AG (ref:AC-GT)<< Possible error
4861347,4861523,177,EXACT,AG-GT
4862044,4862148,105,EXACT,AG-GT
4862264,4862409,146,START: end -6 GT
4863142,4863321,180
4863727,4863960,234
4864508,4864717,210
4865077,4865303,227
4865833,4866042,210
4866391,4866557,167
4867706,4867936,231
4868531,4868782,252
4869406,4869636,231
4870102,4870596,495
4871069,4871275,207
4871823,4871955,133
4872398,4872816,419
4873057,4873125,69
4873645,4873866,222
4874502,4874561,60
4875331,4875360,30
4875770,4875872,103

4876238,4876362,125
ID=NCLIV_044255 - 2 GAGATGA
4883646,4885789,2144
4886384,4887692,1309
ID=NCLIV_044260 - 7 CCCATGG
4889653,4892544,2892,END:Starts:4888902-4888894-4889113-
4893159,4893467,309,EXACT,AG-GT
4894062,4894364,303,EXACT,AG-GT
4894828,4895049,222,START: end 576 GT
4895676,4899562,3887,EXACT,AG-GT
4899885,4901535,1651,EXACT,AG-GT
4901913,4906517,4605,START:Ends:4904982-4903240-4904582-
ID=NCLIV_044280 - 2 GAGATGT
4921761,4922212,452,END:EXACT
4923043,4926211,3169,START:Ends:4923469-4923289-4926877-
ID=NCLIV_044310 - 13 G..ATGG
4951601,4951906,306,END:EXACT
4952339,4952435,97,EXACT,AG-GT
4952863,4953039,177,EXACT,AG-GT
4953332,4953620,289,START: end -3 GT
4954148,4954254,107,END: start 14 AG (ref:AC-GT)<< Possible error
4954542,4954663,122,EXACT,AG-GT
4954957,4955145,189,EXACT,AG-GT
4955924,4956043,120,EXACT,AG-GT
4956554,4956728,175,EXACT,AG-GT
4957300,4957494,195,EXACT,AG-GT
4957715,4958311,597,EXACT,GT
4958779,4959304,526,EXACT,GT
4959682,4960732,1051
ID=NCLIV_044330 - 1 A..ATG
4973210,4974442,1233
ID=NCLIV_044350 - 3 A..ATG
4995579,4996078,500,END:Starts:4994159-4995026-4995088-
4996409,4996716,308,EXACT,ATG:AG-GT
4996921,4997411,491,START:EXACT
ID=NCLIV_044370 - 5 G..ATGG
5005525,5005782,258,END:Starts:5004826-5005279-5005183-
5006346,5006445,100,EXACT,AG-GT
5006777,5006861,85,EXACT,AG-GT
5007151,5007397,247,START: end 12 AG-GT (ref:AC-GT)<< Possible error
5007928,5009238,1311,START:Ends:5010050-5008614-5010850-
ID=NCLIV_044390 - 7 G..ATGG
5019142,5021815,2674,END:Starts:5018797-5018280-
5022257,5022311,55,EXACT,AG-GT
5022577,5022637,61,EXACT,Info:Stop Codon:AG-GC-AG-GT-
5022936,5023166,231,EXACT,AG-GT
5023632,5023791,160,EXACT,GT
5024599,5024626,28
5024974,5025532,559,START:Starts:5026473-5024974-
ID=NCLIV_044400 - 3 A..ATG
5028775,5028955,181,END:Starts:5026473-5024974-
5029683,5029756,74,EXACT,AG-GT
5030153,5032819,2667,START:Ends:5032114-5041362-
ID=NCLIV_044430 - 7 GCCATGT
5047407,5047467,61,END:Starts:5046116-5046227-5045959-
5048135,5048196,62,EXACT,AG-GT
5048494,5048619,126,EXACT,AG-GT
5048924,5049131,208,START: end 1 GT
5049616,5053433,3818
5053629,5066289,12661,END: start 11821 AG

5066980,5068046,1067,START:Ends:5067363-5067059-
ID=NCLIV_044450 - 13 A..ATG
5078445,5078524,80,END:Starts:5077843-5077821-
5078674,5078944,271,EXACT,AG-GT
5079320,5079367,48,EXACT,AG-GT
5079811,5080333,523,EXACT,AG-GT
5080920,5081269,350,EXACT,AG-GT
5081887,5082120,234,EXACT,AG-GT
5082554,5082688,135
5083202,5083327,126
5083807,5084614,808
5084971,5085213,243,END: start 27 AG
5085729,5085929,201,START: end -8 GT
5086183,5086496,314,EXACT,AG
5086832,5088382,1551,START:Ends:5089110-5087892-
ID=NCLIV_044480 - 1 A..ATG
5120256,5122580,2325
ID=NCLIV_044500 - 1 A..ATG
5128716,5129159,444
ID=NCLIV_044510 - 1 TTCATGG
5131364,5132143,780
ID=NCLIV_044520 - 11 A..ATG
5134517,5134583,67,END:Starts:5133961-5133799-5134219-
5135082,5135297,216,START: end -1 GT
5135604,5135725,122,END: start -121 AG-GT (ref:AC-GT)<< Possible error
5136186,5136385,200,EXACT,AG-GT
5137080,5137224,145,EXACT,AG-GT
5138030,5138304,275,EXACT,AG-GT
5139006,5139792,787,EXACT,AG-GT
5140297,5140857,561,EXACT,AG-GT
5141244,5141903,660,EXACT,AG-GT
5142449,5144175,1727
5144787,5145336,550
ID=NCLIV_044540 - 28 A..ATG
5161917,5162136,220
5162422,5162662,241,END: start 7 AG
5162800,5163257,458,START: end -40 AG-GT
5163478,5163664,187,END: start 5 GT
5164285,5164345,61,EXACT,AG-GT
5164799,5164928,130,START: end -6 GT
5165327,5165451,125
5166080,5166127,48
5166544,5166642,99
5166873,5167074,202
5167579,5167674,96
5168392,5168495,104,END: start 10 AG
5168718,5168799,82,EXACT,AG-GT
5169136,5169298,163,START: end -6 GT
5169624,5169801,178
5170554,5170907,354
5171226,5171440,215
5171746,5171848,103
5172264,5172386,123,WITHIN: start 64 and end -7 Code:INTERNAL-NONE-
5172660,5172899,240
5173117,5173199,83,END: start 6 AG
5173743,5174078,336,EXACT,GT
5174347,5174669,323
5174969,5175013,45
5175237,5175316,80
5175969,5176043,75,END: start 22 AG

5176467,5176567,101,EXACT,AG-GT
5177175,5177262,88,START:Ends:5178395-5178388-
ID=NCLIV_044570 - 66 G..ATGG
5193169,5193436,268,END:Starts:5193018-5192953-5192983-
5193557,5193699,143,EXACT,AG-GT
5193892,5194116,225,EXACT,AG-GT
5194265,5194366,102,EXACT,AG-GT
5194474,5194674,201,EXACT,AG-GT
5194868,5195116,249,EXACT,AG-GT
5195827,5196246,420,START: end 1477 AG-GT (ref:AC-GT)<< Possible error
5197349,5197723,375,END: start -1522 AG-GT (ref:AC-GT)<< Possible error
5198536,5198804,269,EXACT,AG-GT
5199601,5199736,136,EXACT,AG-GT
5200234,5200443,210,EXACT,AG-GT
5200879,5201138,260,EXACT,AG-GT
5201695,5201963,269,EXACT,AG-GT
5202127,5202402,276,END: start -3 AG-GT (ref:AC-GT)<< Possible error
5202862,5202987,126,EXACT,AG-GT
5203122,5203379,258,END: start 57 AG-GC (ref:AC-GT)<< Possible error
5203684,5203777,94,EXACT,GT
5204293,5204401,109,EXACT,AG
5204874,5205233,360,START: end 196 AG-GT
5205670,5205838,169,EXACT,AG-GT
5206177,5206316,140,EXACT,AG-GT
5206942,5207114,173,EXACT,AG-GT
5207866,5208015,150,EXACT,AG-GT
5208748,5209048,301,EXACT,ATG:AG-GT
5209742,5209958,217,EXACT,AG-GT
5210232,5210560,329,EXACT,AG-GT
5210938,5211136,199,EXACT,AG-GT
5211717,5212082,366,OVER: start -24 and end 282 AG-GC
5212820,5213047,228
5213498,5213683,186
5214177,5214547,371
5215001,5215205,205
5215629,5215828,200
5216275,5216481,207
5216768,5217029,262
5217485,5217636,152
5218392,5218637,246
5218929,5219174,246
5220237,5220500,264
5221202,5221363,162
5221944,5222235,292
5222846,5222952,107
5223307,5223456,150
5224145,5224321,177
5224725,5224902,178
5225880,5226171,292
5226616,5226805,190
5227368,5227556,189
5228024,5228397,374
5229093,5229225,133,END: start 17 AG
5229551,5229745,195,START: end 18 GT
5230171,5230398,228
5230828,5231103,276
5231504,5231584,81
5232020,5232127,108,END: start 16 AG (ref:AC-GT)<< Possible error
5232527,5232670,144,START: end 1412 GT
5233340,5233474,135,OVER: start -813 and end 608 GT

5233912,5233989,78,OVER: start -1385 and end 93 GT
 5234662,5234913,252
 5235303,5235430,128
 5235837,5235996,160
 5236344,5236448,105
 5236738,5236906,169
 5237384,5237506,123
 5238064,5238262,199
 5239263,5239512,250
 ID=NCLIV_044590 - 4 A..ATG
 5256109,5256470,362,END:Starts:5254257-5254057-
 5256832,5256990,159,EXACT,AG-GT
 5257466,5257531,66,EXACT,AG-GT
 5258082,5258199,118,START:Ends:5258375-5259760-
 ID=NCLIV_044630 - 11 GTCATGC
 5282297,5282555,259,END:Starts:5281750-5281659-
 5282846,5283332,487,EXACT,AG-GT
 5283745,5283913,169,EXACT,AG-GT
 5284078,5284170,93,EXACT,AG-GT
 5284584,5284673,90,EXACT,GT
 5284943,5285209,267,EXACT,AG
 5285540,5285732,193,EXACT,AG-GT
 5286146,5286258,113,EXACT,AG-GT
 5286497,5286794,298,EXACT,AG-GT
 5286996,5287207,212,START: end 21 GT
 5287721,5289274,1554
 ID=NCLIV_044650 - 6 A..ATG
 5306183,5306191,9
 5306645,5306720,76
 5307110,5307269,160,START: end 247 AG
 5307425,5307516,92,END: start -315 AG
 5307958,5308145,188,EXACT,AG-GT
 5308425,5308610,186,START:Ends:5308973-5308952-
 ID=NCLIV_044680 - 2 TCGATGG
 5341789,5342829,1041,END:Starts:5340724-
 5343328,5345634,2307,START:Ends:5347225-5344093-5347494-
 ID=NCLIV_044700 - 1 [CT]..ATG[ACT]
 5359833,5362517,2685
 ID=NCLIV_044720 - 1 A..ATG
 5373891,5375204,1314
 ID=NCLIV_044740 - 2 A..ATG
 5384447,5386765,2319
 5387917,5387985,69
 ID=NCLIV_044760 - 13 TTCATGG
 5397027,5397154,128,END:Starts:5396507-5396514-
 5397651,5398182,532,START: end -150 GT
 5398480,5398546,67
 5398665,5399270,606
 5399689,5400951,1263
 5401381,5401526,146
 5401844,5402106,263
 5402956,5403044,89
 5403523,5403756,234
 5404128,5404245,118
 5404449,5405096,648
 5405538,5405655,118
 5405932,5406693,762
 ID=NCLIV_044770 - 5 A..ATG
 5409223,5409281,59,END:Starts:5408765-5408643-5408659-
 5409632,5409818,187,EXACT,AG-GT

5410310,5410698,389,START: end 598 AG-GT (ref:AC-GT)<< Possible error
5411209,5411296,88,END: start -899 AG-GT (ref:AC-GT)<< Possible error
5411621,5412340,720
ID=NCLIV_044780 - 5 A..ATG
5414322,5414428,107,END:Starts:5414094-5413962-5413964-
5414928,5414985,58,EXACT,AG-GT
5415263,5415430,168,EXACT,AG-GT
5415832,5416002,171,END: start 107 AG-GT (ref:AC-GT)<< Possible error
5416998,5417207,210,START:Ends:5417201-5418309-5417474-
ID=NCLIV_044790 - 3 A..ATG
5419874,5420202,329,END:Starts:5419392-5419326-5420113-
5421068,5421713,646,EXACT,AG-GT
5422150,5422329,180,START:Ends:5423646-5422824-5423547-
ID=NCLIV_044800 - 1 A..ATG
5428929,5432528,3600
ID=NCLIV_044810 - 7 GCCATGC
5436644,5437332,689,END:Starts:5436227-5436180-5436045-
5437456,5437540,85,EXACT,AG-GT
5437912,5438224,313,START: end 50 GT
5438792,5438894,103
5439248,5439317,70
5439877,5439969,93,END: start 14 AG
5440417,5440677,261,START:Ends:5441143-5441807-
ID=NCLIV_044805 - 3 A..ATG
5442631,5442873,243,OVER:Starts:5442352-5442635-5442547-
5443428,5443706,279,EXACT,AG-GT
5444007,5444618,612,START:Ends:5445646-5444669-
ID=NCLIV_044820 - 3 A..ATG
5447695,5447900,206,END:Starts:5447530-5447498-5447522-
5448121,5448229,109,EXACT,AG-GT
5448722,5449222,501,START:Ends:5449510-5449509-5449587-
ID=NCLIV_044830 - 3 CTGATGG
5451716,5456440,4725,OVER:Starts:5450482-5467800-5450598-
5456489,5470869,14381,OVER: start -5891 and end 811 AG (ref:AC-GT)<< Possible error
5471116,5471257,142,OVER:Starts:5450482-5467800-5450598-

CHROMOSOME X – FORWARD

ID=NCLIV_044880 + 3 G..ATGG
73240,73626,387,END:Starts:73031-73004-73114-
74023,74934,912,EXACT,AG-GT
75188,75367,180,START:Ends:75752-75834-75565-
ID=NCLIV_044900 + 19 TCAATGG
83671,84192,522,END:Starts:84170-83423-
84700,89073,4374,START: end -3621 AG
89500,90554,1055,END: start 10 GT
91048,91849,802,START: end -115 AG
92288,92836,549
93195,93377,183
94020,94182,163
94565,94875,311
95144,95464,321,END: start 79 GT
95858,104322,8465,END: start 8347 GT
104861,105842,982,EXACT,AG-GT
106190,106345,156,EXACT,AG-GT
106849,106950,102,EXACT,AG-GT
107521,107676,156,START: end -3 AG
107878,108526,649
108705,108790,86
109183,109394,212,END: start 15 GT (ref:AG-GT)<< Possible error

109920,110024,105,START: end 34 AG
110593,110728,136
ID=NCLIV_044940 + 1 [CT]..ATG[ACT]
148902,149285,384
ID=NCLIV_044950 + 3 A..ATG
151235,151545,311,OVER:Starts:149788-149868-151768-
152152,152203,52,END: start -2284 GT (ref:AG-GT)<< Possible error
152632,152937,306,START:EXACT
ID=NCLIV_044980 + 1 A..ATG
160578,161591,1014
ID=NCLIV_044990 + 13 A..ATG
162058,162303,246
163090,163224,135
163586,163659,74
164902,164994,93,OVER: start -361 and end 506 GT
165214,165500,287,END: start -673 GT
165767,165966,200,START: end 317 AG
166465,166645,181
167781,167991,211,END: start 89 AG-GT (ref:AG-GT)<< Possible error
168234,168372,139,EXACT,AG-GT
168617,168756,140,EXACT,AG-GT
169187,169261,75,EXACT,AG-GT
169451,169745,295,EXACT,AG-GT
170412,170567,156,START:Ends:170508-170892-171177-
ID=NCLIV_045010 + 3 A..ATG
177227,177240,14,OVER:Starts:177133-177099-177131-
178499,178746,248,END: start -1368 GT (ref:AG-GT)<< Possible error
179041,179396,356,START:Ends:179852-179887-179885-
ID=NCLIV_045030 + 1 A..ATG
192585,193091,507
ID=NCLIV_045040 + 5 A..ATG
194397,194837,441
195025,195117,93
195435,195584,150
195715,195925,211
196066,196622,557
ID=NCLIV_045050 + 6 A..ATG
198531,198600,70
199248,199435,188
200142,200286,145
200478,200625,148
201011,201179,169
201781,201876,96
ID=NCLIV_045055 + 5 [CT]..ATG[ACT]
206726,207984,1259
208292,208638,347
208973,209154,182
209720,210463,744
210851,210892,42
ID=NCLIV_045070 + 9 A..ATG
225177,231173,5997,END:Starts:228871-229115-
231540,232024,485,EXACT,AG-GT
232514,235244,2731,END: start 1905 AG-GT
235670,237992,2323,WITHIN: start 498 and end -7 AG
238237,239338,1102,END: start 1 GT (ref:AG-GT)<< Possible error
239689,240139,451,EXACT,AG-GT
240389,240456,68,START: end -10 AG
240832,240921,90,END: start -9 GT (ref:AG-GT)<< Possible error
241050,241218,169,START:Ends:242760-242759-242577-
ID=NCLIV_045080 + 1 G..ATGG

243882,249107,5226
 ID=NCLIV_045090 + 8 A..ATG
 249934,250011,78
 250721,250820,100
 251252,251349,98
 251791,251884,94
 252059,252441,383
 253275,253391,117
 253665,253794,130
 253996,254186,191
 ID=NCLIV_045100 + 3 [CT]..ATG[ACT]
 256374,257219,846,END:Starts:256089-256083-256092-
 257772,257877,106,EXACT,AG-GT
 258543,258631,89,START:Ends:258677-258804-258696-
 ID=NCLIV_045110 + 15 TCCATGG
 260573,261920,1348
 262347,262675,329
 263006,263197,192
 263627,263767,141
 264154,264843,690,EXACT,GT
 265396,265765,370,EXACT,AG-GT
 266385,267049,665,START: end -4 AG
 267438,267626,189,END: start 14 GT
 268360,269003,644,START: end 129 AG
 269532,269892,361,END: start 12 GT
 270577,270672,96,EXACT,AG-GT
 270951,271847,897,EXACT,Info:AG-GT-AG-GC-acceptor=TC-
 272312,272602,291,EXACT,AG-GT
 272959,273051,93,EXACT,AG-GT
 273672,273836,165,START:EXACT
 ID=NCLIV_045120 + 2 A..ATG
 276794,281392,4599
 281628,282212,585
 ID=NCLIV_045140 + 4 A..ATG
 297382,297801,420,WITHIN:Ends:297787-297801-297767-
 297924,298116,193,END: start 19 GT (ref:AG-GT)<< Possible error
 298348,298519,172,EXACT,AG-GT
 299343,299682,340,START:Ends:300042-300030-300049-
 ID=NCLIV_045180 + 7 [CT]..ATG[ACT]
 325577,325651,75,END:Starts:325139-325043-
 326224,327363,1140,START: end 264 AG
 327936,328173,238,END: start 1 GT
 328960,330233,1274,EXACT,AG-GT
 330933,331127,195,EXACT,AG-GT
 331659,331778,120,EXACT,AG-GT
 332067,332369,303,START:EXACT
 ID=NCLIV_045190 + 2 G..ATGG
 335468,338781,3314,END:EXACT
 339347,340106,760,START:EXACT
 ID=NCLIV_045200 + 4 A..ATG
 346066,347464,1399,END:EXACT
 347677,349924,2248,EXACT,AG-GT
 350068,350203,136,START: end 1706 AG
 350532,350573,42,OVER:Ends:351933-351909-351863-
 ID=NCLIV_045210 + 10 G..ATGG
 353565,353716,152
 354798,354906,109
 355663,355781,119
 356253,356452,200
 356881,356971,91

358338,358377,40
358891,358962,72
359708,359773,66
360170,360352,183
360808,360924,117
ID=NCLIV_045240 + 3 A..ATG
380874,381128,255,OVER:Starts:381909-380135-
381914,382168,255,END: start -1779 GT
382561,383091,531,START:Ends:383363-385972-
ID=NCLIV_045280 + 4 G..ATGG
419087,422750,3664,END:EXACT
423202,425592,2391,EXACT,AG-GT
426159,426324,166,EXACT,AG-GT
426905,427085,181,START:Starts:426905-
ID=NCLIV_045290 + 3 [CT]..ATG[ACT]
431368,431608,241,OVER:Starts:426905-
432068,432677,610,END: start -5163 Code:INTERNAL-
432845,434378,1534,START:Ends:434622-434526-
ID=NCLIV_045300 + 11 G..ATGG
437621,438676,1056,END:Starts:436635-436496-
439131,439657,527,EXACT,GT
440159,442052,1894,END: start 1485 GT
442554,445642,3089,END: start 1176 GT (ref:AG-GT)<< Possible error
446090,446312,223,EXACT,AG-GT
446821,448371,1551,EXACT,AG-GT
448783,449502,720,EXACT,AG-GT
449986,451022,1037,EXACT,AG-GT
451433,451550,118,EXACT,AG-GT
451949,452808,860,EXACT,AG-GT
453172,454111,940,START:Ends:455333-455363-455377-
ID=NCLIV_045330 + 12 A..ATG
471609,473432,1824,END:Starts:470698-470684-473003-
474289,474540,252,START: end -20 AG
475162,475273,112
476477,477048,572,END: start -108 GT
477924,477988,65,START: end -6 AG
478171,478236,66,END: start 2 GT
478909,479003,95,EXACT,ATG:AG-GT
479505,479649,145,EXACT,AG-GT
479882,480012,131,EXACT,AG-GT
480522,480691,170,START: end -42 AG
480943,481152,210
481592,481837,246
ID=NCLIV_045340 + 30 A..ATG
485189,485326,138,END:Starts:484266-484133-
486292,486403,112,START: end -1 AG
487151,487717,567,END: start -126 GT
488387,488748,362,START: end -29 Info:AG-GT-AG-GC-
489258,489538,281,END: start 21 GT (ref:AG-GT)<< Possible error
490067,490285,219,EXACT,AG-GT
490993,491128,136,EXACT,AG
491420,492546,1127,END: start 2 GT (ref:AG-GT)<< Possible error
492783,493032,250,START: end -6 AG
493611,493691,81,EXACT,AG-GT
494203,494415,213,START: end 110 AG-GT
494771,495221,451
496184,496254,71
496969,497194,226
497955,498172,218,END: start -2 GT
498538,498840,303,EXACT,AG-GT

499244,499330,87,EXACT,AG-GT
 499611,499748,138,EXACT,AG-GT
 500426,500892,467,START: end -1 AG
 501107,501201,95,END: start -3 GT (ref:AG-GT)<< Possible error
 501604,501722,119,END: start -72 AG-GT (ref:AG-GT)<< Possible error
 502094,502172,79,EXACT,AG-GT
 502663,502955,293,EXACT,AG-GT
 503433,503542,110,EXACT,AG-GT
 503887,504181,295,START: end -5 AG
 504828,505243,416,END: start 14 GT (ref:AG-GT)<< Possible error
 506079,506886,808,EXACT,AG-GT
 507411,507467,57,EXACT,AG-GT
 508184,511759,3576,EXACT,AG-GT
 512183,512848,666,START:Ends:513317-513368-513494-
 ID=NCLIV_045390 + 6 [CT]..ATG[ACT]
 541749,541922,174,END:EXACT
 542412,542636,225,EXACT,AG-GT
 543118,543202,85,EXACT,AG-GT
 543764,543856,93,EXACT,AG-GT
 544340,544758,419,EXACT,AG-GT
 545185,545277,93,START:Ends:545885-545884-545881-
 ID=NCLIV_045400 + 6 A..ATG
 547423,547585,163,END:EXACT
 548237,548385,149,EXACT,AG-GT
 548732,548793,62,END: start -87 AG-GT (ref:AG-GT)<< Possible error
 549066,549157,92,EXACT,AG-GT
 549730,549830,101,EXACT,AG-GT
 550215,550289,75,START:Ends:550569-550618-550641-
 ID=NCLIV_045410 + 8 [CT]..ATG[ACT]
 552973,553817,845,END:Starts:552007-551970-
 554666,554854,189,EXACT,Info:AG-GC-AG-GT-
 555532,556201,670,EXACT,AG-GT
 556470,556571,102,START: end -2 AG
 556989,557074,86,END: start 15 GT (ref:AG-GT)<< Possible error
 557320,557562,243,EXACT,AG-GT
 557861,558005,145,EXACT,AG-GT
 558738,558863,126,START:Ends:559091-559023-559176-
 ID=NCLIV_045420 + 3 GGGATGT
 561616,562237,622,END:Starts:560903-560880-560895-
 562579,564249,1671,EXACT,AG-GT
 564805,564812,8,OVER:EXACT
 ID=NCLIV_045430 + 2 CAGCAAC
 567300,567587,288,END:EXACT
 567869,568246,378,START:Ends:568568-568581-568585-
 ID=NCLIV_045450 + 5 A..ATG
 576637,577090,454,END:Starts:574988-575784-
 577322,577480,159,EXACT,AG-GT
 577771,577945,175,EXACT,AG-GT
 578268,578497,230,EXACT,AG-GT
 578873,579135,263,START:Ends:579834-579803-579638-
 ID=NCLIV_045460 + 13 A..ATG
 582202,583535,1334,END:EXACT
 583693,583817,125,EXACT,AG-GT
 584391,584654,264,START: end -70 AG
 585165,585385,221,EXACT,AG-GT
 585769,585863,95,EXACT,AG-GT
 586124,586346,223,END: start 51 AG-GT (ref:AG-GT)<< Possible error
 586710,586775,66,EXACT,ATG:AG-GT
 587004,587181,178,EXACT,AG-GT
 587500,587654,155,EXACT,AG-GT

588121,588372,252,EXACT,AG-GT
 588878,589204,327,EXACT,AG-GT
 589941,590345,405,EXACT,AG-GT
 590641,590931,291,START:Starts:590641-
 ID=NCLIV_045490 + 3 A..ATG
 605527,605771,245,END:Starts:602328-604876-604871-
 606419,606535,117,EXACT,ATG:AG-GT
 607211,607217,7,START:Ends:607521-607479-607474-
 ID=NCLIV_045520 + 1 TCCATGG
 621790,624195,2406
 ID=NCLIV_045540 + 6 [CT]..ATG[ACT]
 629830,629942,113,END:EXACT
 630486,630580,95,EXACT,AG-GT
 630931,631031,101,EXACT,AG-GT
 631807,632034,228,EXACT,GT
 632504,632559,56,EXACT,AG-GT
 632886,633402,517,START:Ends:635565-635426-635434-
 ID=NCLIV_045560 + 11 A..ATG
 642840,642888,49,END:Starts:641887-641597-
 643494,643575,82,EXACT,AG-GT
 644615,644733,119,START: end 1 AG
 645205,645316,112,END: start 9 GT
 645810,645874,65,EXACT,AG-GT
 646811,646832,22,END: start -25 AG-GT
 647255,647315,61,EXACT,AG-GT
 647637,647685,49,EXACT,AG-GT
 647945,648015,71,EXACT,AG-GT
 648118,648180,63,EXACT,AG-GT
 648541,648612,72,START:Ends:650187-649884-
 ID=NCLIV_045580 + 4 A..ATG
 657624,658850,1227
 659628,659698,71
 660204,660621,418
 660880,665079,4200
 ID=NCLIV_045585 + 1 A..ATG
 667179,668720,1542
 ID=NCLIV_045610 + 29 [CT]..ATG[ACT]
 691950,692168,219,END:EXACT
 692587,693285,699,EXACT,AG-GT
 693779,694001,223,START: end 2333 AG
 694640,695005,366,OVER: start -861 and end 1329 AG
 695967,696334,368,END: start -2188 AG
 696861,696997,137,END: start 1 GT (ref:AG-GT)<< Possible error
 697486,697586,101,EXACT,AG-GT
 698028,698092,65,EXACT,AG-GT
 698422,698613,192,START: end 21 AG-GT
 699025,699547,523
 700083,700675,593,END: start -1032 GT (ref:AG-GT)<< Possible error
 701053,701138,86,EXACT,AG-GT
 701717,701787,71,EXACT,AG-GT
 702199,702289,91,EXACT,AG-GT
 702843,703381,539,EXACT,AG-GT
 703685,704502,818,OVER: start -123 and end 388 AG-GT
 704770,704890,121,END: start -1208 AG-GT
 705135,706465,1331,EXACT,AG-GT
 707016,707134,119,EXACT,AG-GT
 707572,707671,100,START: end 1 AG
 707945,708005,61,END: start -5 GT
 708556,708670,115,EXACT,AG-GT
 709026,709150,125,EXACT,AG-GT

709671,709987,317,EXACT,AG-GT
 710344,710812,469,EXACT,AG-GT
 711469,711564,96,EXACT,TAG|TGA|TAA:AG-GT
 711840,711906,67,EXACT,AG-GT
 712306,712717,412,EXACT,AG-GT
 713325,713486,162,START:Ends:713864-714035-713987-
 ID=NCLIV_045620 + 1 A..ATG
 716196,718580,2385
 ID=NCLIV_045660 + 13 [CT]..ATG[ACT]
 735869,735941,73,END:Starts:734009-734190-734204-
 736560,737025,466,EXACT,ATG:AG-GT
 737567,737801,235,START: end 248 AG
 738243,738413,171
 738816,739071,256
 739551,739687,137
 740305,741468,1164,END: start 11 AG-GT (ref:AG-GT)<< Possible error
 741714,742526,813,START: end -7 AG
 742881,747629,4749,END: start 402 GT
 748131,749691,1561,END: start 42 AG-GT
 749912,750597,686,EXACT,AG-GT
 751025,751369,345,EXACT,AG-GT
 752290,752319,30,OVER:Ends:752279-753144-753194-
 ID=NCLIV_045680 + 6 A..ATG
 758653,758665,13
 758752,758801,50
 759009,759055,47
 759284,759481,198
 759599,759670,72
 759860,759995,136
 ID=NCLIV_045710 + 9 A..ATG
 778132,778740,609,END:Starts:777339-777242-777394-
 779055,779238,184,EXACT,AG-GT
 779786,779865,80,EXACT,AG-GT
 780275,780476,202,EXACT,AG-GT
 780822,780976,155,EXACT,ATG:AG-GT
 781510,781552,43,EXACT,AG-GT
 781948,782009,62,EXACT,AG-GT
 782201,782272,72,EXACT,AG-GT
 782708,782794,87,START:Ends:783207-783208-
 ID=NCLIV_045720 + 4 A..ATG
 786196,786385,190,OVER:Starts:784550-785247-782708-
 786689,788571,1883,END: start -2139 GT (ref:AG-GT)<< Possible error
 788825,792667,3843,EXACT,AG-GT
 793146,793202,57,START:Ends:795570-795606-799126-
 ID=NCLIV_045730 + 6 GAGATGA
 804110,804233,124,OVER:EXACT
 804775,805404,630,EXACT,AG-GT
 805977,806041,65,EXACT,AG
 806483,806620,138
 807206,807352,147
 807851,808117,267
 ID=NCLIV_045750 + 1 A..ATG
 814959,818324,3366,OVER:Starts:813853-814111-
 ID=NCLIV_045780 + 1 A..ATG
 835734,837002,1269,WITHIN:Ends:838359-836861-
 ID=NCLIV_045810 + 9 A..ATG
 859160,861614,2455
 862133,862228,96
 863014,866491,3478,END: start 2543 GT
 866871,867144,274,EXACT,AG-GT

867615,867684,70,END: start -1 GT
 868218,868462,245,EXACT,AG-GT
 868739,868905,167,END: start -9 AG-GT (ref:AG-GT)<< Possible error
 869505,869694,190,EXACT,AG-GT
 870047,870343,297,START:EXACT
 ID=NCLIV_045840 + 1 GATATGC
 891511,891945,435
 ID=NCLIV_045850 + 1 TCAATGG
 893717,900226,6510
 ID=NCLIV_045880 + 4 [CT]..ATG[ACT]
 910375,911712,1338,END:EXACT
 912223,912287,65,START: end 446 AG-GT (ref:AG-GT)<< Possible error
 912592,912733,142,END: start -369 AG-GT (ref:AG-GT)<< Possible error
 912906,913013,108,START:Ends:913710-917252-917263-
 ID=NCLIV_045900 + 4 A..ATG
 921696,922447,752,END:EXACT
 922849,922909,61,EXACT,AG-GT
 923415,923543,129,EXACT,AG-GT
 923769,923828,60,START:Starts:923769-
 ID=NCLIV_045920 + 5 GAAATGC
 936207,937526,1320,END:Starts:934561-937116-
 938190,938234,45,EXACT,AG-GT
 938665,938790,126,EXACT,AG
 939557,939586,30
 940055,940177,123
 ID=NCLIV_045930 + 4 A..ATG
 941944,942035,92,END:Starts:941753-941737-941708-
 942160,942220,61,EXACT,AG-GT
 942417,942533,117,EXACT,AG-GT
 942890,942961,72,START:Ends:943602-943200-945816-
 ID=NCLIV_045960 + 14 A..ATG
 960078,960325,248
 961116,961613,498,END: start 264 GT
 962144,963159,1016,EXACT,AG-GT
 963689,964074,386,EXACT,AG
 964587,964839,253
 965684,965814,131
 966359,966465,107
 967286,967390,105
 967525,967641,117
 968367,968464,98
 968806,969001,196
 969333,969424,92,START: end 531 AG
 969864,969955,92,END: start -531 AG
 970301,970828,528
 ID=NCLIV_045980 + 3 A..ATG
 979900,980006,107,END:Starts:977858-979545-978296-
 980689,980848,160,EXACT,AG-GT
 981233,981478,246,START:Ends:982962-982425-982424-
 ID=NCLIV_046000 + 1 GCCATGC
 990213,991601,1389,OVER:Ends:992564-991398-992425-
 ID=NCLIV_046010 + 16 [CT]..ATG[ACT]
 994849,994948,100
 995692,997265,1574
 997485,997672,188,END: start 1 GT
 998138,998378,241,EXACT,AG-GT
 998765,998857,93,EXACT,AG-GT
 999431,999496,66,EXACT,AG-GT
 999961,1000055,95
 1000725,1000869,145

1001185,1001505,321
 1001720,1001758,39
 1002336,1002425,90
 1002871,1002909,39
 1003205,1003330,126
 1003801,1003923,123
 1004192,1004230,39
 1004598,1004627,30
 ID=NCLIV_046060 + 8 A..ATG
 1046096,1046273,178,END:Starts:1045638-1045347-1045674-
 1046789,1047761,973,EXACT,AG
 1048077,1048816,740,EXACT,GT
 1049344,1050431,1088,EXACT,AG-GT
 1050662,1051332,671,START: end -66 AG
 1051692,1052426,735
 1052943,1053501,559
 1053558,1053578,21,OVER:Starts:1052982-1053264-1052943-
 ID=NCLIV_046090 + 1 A..ATG
 1068653,1072270,3618
 ID=NCLIV_046120 + 2 CCTATGG
 1100021,1104389,4369
 1104716,1106598,1883
 ID=NCLIV_046150 + 8 A..ATG
 1125039,1126999,1961,END:EXACT
 1127607,1127742,136,EXACT,AG-GT
 1127956,1128050,95,EXACT,AG-GT
 1128422,1128539,118,EXACT,AG-GT
 1129190,1129270,81,EXACT,AG-GT
 1130022,1130187,166,EXACT,AG-GT
 1130588,1131172,585,START: end 6 AG
 1131781,1132067,287
 ID=NCLIV_046160 + 9 GACATGC
 1135378,1135427,50,END:Starts:1134461-1134454-1134571-
 1135871,1136667,797,EXACT,AG-GT
 1137040,1137115,76,EXACT,AG-GT
 1137621,1137727,107,EXACT,AG-GT
 1138195,1138534,340,EXACT,AG-GT
 1139207,1139321,115,EXACT,AG-GT
 1139759,1139930,172,EXACT,AG-GT
 1140283,1140494,212,EXACT,AG-GT
 1140654,1141061,408,START:Ends:1141354-1141342-1141350-
 ID=NCLIV_046180 + 2 A..ATG
 1154750,1155549,800
 1156436,1156838,403
 ID=NCLIV_046190 + 13 [CT]..ATG[ACT]
 1157471,1160249,2779,END:Starts:1157123-1159389-1155167-
 1160664,1161152,489,START: end -342 AG
 1161766,1162945,1180,END: start 398 GT (ref:AG-GT)<< Possible error
 1163610,1165349,1740,END: start 1415 GT
 1165838,1169304,3467,START: end -2197 AG
 1169768,1172079,2312,WITHIN: start 36 and end -1558 GC
 1172482,1175463,2982,END: start 1554 GT
 1175922,1179769,3848,EXACT,AG-GT
 1180377,1180985,609,EXACT,AG-GT
 1181301,1181490,190,EXACT,AG-GT
 1181867,1182172,306,EXACT,AG-GT
 1182816,1182998,183,EXACT,AG-GT
 1183410,1183592,183,START:Ends:1184143-1184135-
 ID=NCLIV_046210 + 2 CCGATGG
 1190915,1191019,105

1191404,1194706,3303
ID=NCLIV_046220 + 1 GGAATGT
1197238,1201230,3993,OVER:Ends:1202547-1202778-
ID=NCLIV_046240 + 9 A..ATG
1223622,1223644,23,END:EXACT
1224316,1224484,169,EXACT,AG-GT
1224936,1225085,150,EXACT,AG-GT
1225702,1225786,85,EXACT,AG-GT
1226129,1226210,82,EXACT,AG-GT
1226731,1226795,65,EXACT,AG-GT
1226995,1227133,139,EXACT,AG-GT
1227556,1227779,224,EXACT,AG-GT
1228061,1228086,26,START:Ends:1230007-1232540-1231954-
ID=NCLIV_046270 + 4 [CT]..ATG[ACT]
1242376,1242494,119,END:Starts:1240725-1240692-
1242689,1242834,146,START: end 319 AG
1243302,1243455,154
1243682,1243961,280
ID=NCLIV_046300 + 4 A..ATG
1256896,1257143,248,END:Starts:1256565-1256703-
1257506,1257716,211,EXACT,AG
1258006,1258376,371,EXACT,GT
1258757,1259297,541,START:Ends:1260339-1260775-
ID=NCLIV_046310 + 8 [CT]..ATG[ACT]
1263895,1264384,490,END:Starts:1262714-1262685-1263644-
1264918,1265003,86,EXACT,AG-GT
1265875,1265980,106,EXACT,AG-GT
1266660,1266842,183,EXACT,AG-GT
1266963,1267031,69,EXACT,AG-GT
1267448,1267695,248,EXACT,AG-GT
1268107,1268806,700,EXACT,AG-GT
1269281,1269927,647,START:Ends:1270387-1270391-
ID=NCLIV_046340 + 14 [CT]..ATG[ACT]
1283259,1284346,1088,END:Starts:1282469-1282487-
1284844,1288084,3241,END: start 2674 AG-GT
1288517,1289424,908,EXACT,AG-GT
1289760,1290291,532,EXACT,AG
1290730,1292934,2205,EXACT,GT
1293286,1293627,342,EXACT,AG-GT
1294159,1294521,363,EXACT,AG-GT
1294664,1295458,795,EXACT,AG-GT
1295859,1296056,198,EXACT,AG-GT
1296369,1296761,393,EXACT,AG-GT
1297327,1297575,249,EXACT,AG-GT
1298069,1298317,249,EXACT,AG-GT
1298813,1300312,1500,START: end 220 AG-GC
1301070,1301177,108
ID=NCLIV_046360 + 2 A..ATG
1307860,1310622,2763
1310875,1319085,8211
ID=NCLIV_046380 + 8 A..ATG
1336899,1337085,187,END:Starts:1335696-1335482-1336176-
1337919,1337989,71,EXACT,AG-GT
1338204,1338374,171,EXACT,AG-GT
1338649,1338755,107,EXACT,AG-GT
1339347,1339410,64,EXACT,AG-GT
1339994,1340132,139,EXACT,AG-GT
1340591,1340652,62,EXACT,AG-GT
1341189,1341320,132,OVER:Ends:1341859-1341850-
ID=NCLIV_046390 + 3 G..ATGG

1343573,1343992,420,END:Starts:1343131-1343170-1343177-
1344454,1344571,118,EXACT,AG-GT
1345006,1345133,128,START:Ends:1346177-1346187-1345761-
ID=NCLIV_046420 + 4 A..ATG
1362592,1362807,216,END:Starts:1361726-1361707-1361824-
1363373,1363438,66,EXACT,AG-GT
1363995,1364447,453,START: end -45 AG-GC (ref:AG-GT)<< Possible error
1364733,1365302,570,START:Ends:1365456-1365468-1365371-
ID=NCLIV_046425 + 3 GAGATGA
1367098,1367813,716,END:Starts:1366765-1366725-
1368010,1368094,85,EXACT,AG-GT
1368327,1368380,54,START:Ends:1370250-1370227-
ID=NCLIV_046440 + 5 [CT]..ATG[ACT]
1377398,1377466,69,END:EXACT
1377724,1377814,91,START: end 473 AG
1378416,1378493,78
1378639,1378912,274
1379376,1379418,43
ID=NCLIV_046460 + 3 A..ATG
1399479,1399550,72,END:Starts:1399398-1399411-1399417-
1400486,1400578,93,EXACT,AG-GT
1401262,1401375,114,START:Ends:1401660-1401692-1401676-
ID=NCLIV_046480 + 32 A..ATG
1409478,1409570,93
1410307,1410398,92
1410777,1410850,74
1411619,1411688,70
1412181,1412241,61
1412747,1412816,70
1413205,1413263,59
1414077,1414113,37
1414655,1414724,70
1415595,1415639,45
1416149,1416211,63
1416527,1416604,78
1417019,1417122,104
1417610,1417664,55
1417980,1418024,45
1418338,1418450,113
1418931,1418971,41
1419631,1419668,38
1420278,1420308,31
1420727,1420806,80
1421488,1421560,73
1422615,1422652,38
1423024,1423231,208
1423425,1423496,72
1423848,1423892,45
1424333,1424395,63
1424830,1425021,192
1425649,1425696,48
1425995,1426038,44
1426958,1427059,102
1427811,1427919,109
1428546,1428845,300
ID=NCLIV_046490 + 2 GGAATGA
1431902,1441399,9498,END:Starts:1430399-1430388-
1441951,1442061,111,START:Ends:1442232-1442286-1442228-
ID=NCLIV_046520 + 11 A..ATG
1455198,1455399,202,END:Starts:1454499-1454529-1454028-

1455733,1456113,381,EXACT,AG-GT
1456227,1456706,480,EXACT,AG-GT
1457315,1457652,338,EXACT,AG-GT
1458377,1460553,2177,EXACT,AG-GT
1461083,1461212,130,START: end -13 AG
1461333,1461485,153,END: start -2 GT (ref:AG-GT)<< Possible error
1461739,1461948,210,EXACT,AG-GT
1462333,1462875,543,EXACT,AG-GT
1463319,1463467,149,EXACT,AG-GT
1464033,1464381,349,START:Ends:1467515-1467432-1467517-
ID=NCLIV_046540 + 11 GTCATGC
1470507,1470524,18
1470796,1470850,55,EXACT,TAG|TGA|TAA:AG-GT
1471393,1471693,301,EXACT,AG-GT
1472178,1472516,339,EXACT,AG-GT
1472828,1472924,97,EXACT,AG-GT
1473165,1473314,150,EXACT,AG-GT
1473736,1474021,286,EXACT,AG-GT
1474278,1474498,221,EXACT,AG-GT
1474914,1474990,77,EXACT,AG-GT
1475609,1475904,296,EXACT,AG-GT
1476300,1476352,53,START:Ends:1478012-1477873-1479592-
ID=NCLIV_046570 + 2 A..ATG
1486859,1489496,2638
1490512,1490558,47
ID=NCLIV_046580 + 1 [CT]..ATG[ACT]
1497011,1498126,1116
ID=NCLIV_046590 + 9 A..ATG
1501822,1502169,348,OVER:Ends:1502169-1502249-
1503141,1503257,117
1503571,1503655,85
1503781,1503901,121
1504170,1504314,145
1504973,1505084,112
1505751,1505863,113
1506555,1506605,51,END: start 4 GT
1506904,1506954,51,START:Ends:1508654-1508853-
ID=NCLIV_046610 + 13 A..ATG
1521076,1522302,1227,END:Starts:1519680-1520501-1520645-
1522743,1522921,179,EXACT,AG-GT
1523737,1524053,317,EXACT,AG-GT
1524439,1524522,84,EXACT,AG-GT
1525136,1525604,469,EXACT,AG-GT
1526057,1526182,126,EXACT,AG-GT
1526830,1526875,46,EXACT,AG-GT
1527239,1527316,78,EXACT,AG-GT
1527489,1527615,127,EXACT,AG-GT
1528165,1528460,296,EXACT,AG-GT
1529086,1529250,165,START: end -4 AG
1529593,1529772,180,END: start -3 GT (ref:AG-GT)<< Possible error
1530244,1530456,213,START:Ends:1531119-1531170-1531134-
ID=NCLIV_046620 + 5 [CT]..ATG[ACT]
1540700,1541368,669,END:Starts:1539543-1539460-1539662-
1541798,1542272,475,EXACT,AG-GT
1542511,1542590,80,EXACT,AG-GT
1542916,1543889,974,EXACT,AG-GT
1544407,1544566,160,START:Ends:1545611-1545383-
ID=NCLIV_046670 + 7 [CT]..ATG[ACT]
1570481,1570557,77,END:Starts:1570101-1570195-
1571014,1571086,73,EXACT,AG-GT

1571532,1571588,57,EXACT,AG-GT
1571834,1571898,65,EXACT,AG-GT
1572260,1572360,101,EXACT,AG-GT
1572499,1572670,172,START: end -107 AG-GT
1573595,1573802,208,START:EXACT
ID=NCLIV_046680 + 1 GAAATGA
1576139,1577149,1011,OVER:Ends:1578969-1578761-
ID=NCLIV_046690 + 3 CCAATGG
1580801,1581973,1173,END:Starts:1579595-1579700-1579835-
1582441,1582518,78
1582578,1583636,1059,START:Ends:1584379-1584418-1584404-
ID=NCLIV_046710 + 1 G..ATGG
1597694,1598863,1170
ID=NCLIV_046720 + 9 G..ATGG
1601056,1602042,987,END:Starts:1600077-1600032-
1602665,1602808,144,EXACT,AG-GT
1603022,1603240,219,EXACT,AG-GT
1603634,1603762,129,EXACT,AG-GT
1604090,1604202,113,EXACT,AG-GT
1604721,1604789,69,EXACT,AG-GT
1605099,1605162,64,EXACT,AG-GT
1605496,1605792,297,EXACT,AG-GT
1606244,1606411,168,START:Ends:1606960-1606988-1606958-
ID=NCLIV_046730 + 11 GGAATGA
1610094,1611224,1131
1611569,1611693,125
1612318,1612423,106
1612881,1613174,294
1613841,1613887,47
1614463,1614655,193
1615247,1615381,135
1615820,1616857,1038
1617276,1618451,1176
1619265,1619857,593
1620848,1621040,193
ID=NCLIV_046750 + 7 A..ATG
1632338,1633564,1227,END:Starts:1630936-1630944-1630729-
1633839,1634084,246,EXACT,AG-GT
1634347,1634508,162,EXACT,AG-GT
1634837,1634926,90,EXACT,AG-GT
1635328,1635357,30,EXACT,AG-GT
1635899,1636193,295,EXACT,AG-GT
1636560,1636615,56,START:Ends:1636743-1637288-1637436-
ID=NCLIV_046770 + 7 CAGATGG
1652736,1652913,178,END:Starts:1651972-1651963-
1653335,1653666,332,EXACT,AG-GT
1654351,1654560,210,START: end -25 AG
1655413,1655475,63,END: start -3 GT (ref:AG-GT)<< Possible error
1656138,1657027,890,EXACT,AG-GT
1657366,1657465,100,EXACT,AG-GT
1658153,1658233,81,START:Ends:1660333-1658685-1661691-
ID=NCLIV_046790 + 1 A..ATG
1665946,1666455,510
ID=NCLIV_046800 + 7 G..ATGG
1669438,1669564,127,END:Starts:1664633-1667545-1668389-
1669684,1669844,161,EXACT,AG-GT
1669968,1670152,185,EXACT,AG-GT
1670244,1670389,146,EXACT,AG-GT
1670498,1670645,148,EXACT,TAG|TGA|TAA:AG-GT
1670780,1670948,169,EXACT,AG-GT

1671096,1671191,96,START:EXACT
ID=NCLIV_046820 + 2 CCCATGG
1685482,1685613,132,END:Starts:1685074-1685234-1685257-
1685881,1686063,183,START:Ends:1686300-1686335-1686369-
ID=NCLIV_046840 + 3 G..ATGG
1691892,1692086,195
1693162,1693749,588
1694535,1694681,147
ID=NCLIV_046880 + 3 A..ATG
1730959,1731215,257
1731352,1733184,1833
1733591,1733684,94
ID=NCLIV_046900 + 5 A..ATG
1740107,1740218,112,END:Starts:1739721-1740053-1740067-
1740672,1740795,124,EXACT,ATG:AG-GT
1741141,1741279,139,EXACT,AG-GT
1741778,1741963,186,EXACT,AG-GT
1742312,1742512,201,START:Ends:1744077-1745671-1742917-
ID=NCLIV_046920 + 2 G..ATGG
1755947,1758137,2191,END:Starts:1754949-1755259-1755265-
1758409,1759916,1508,START:Ends:1760863-1760464-1760462-
ID=NCLIV_046930 + 1 A..ATG
1763322,1767314,3993
ID=NCLIV_046950 + 8 A..ATG
1781036,1781076,41,END:Starts:1779754-1780851-1780864-
1781473,1781747,275,START: end 314 AG
1782324,1782406,83
1782722,1782871,150
1783540,1783738,199
1783939,1784131,193,END: start 4 GT
1784388,1784471,84,EXACT,AG-GT
1784937,1785006,70,START:Ends:1786153-1786176-1786162-
ID=NCLIV_046960 + 1 [CT]..ATG[ACT]
1794583,1798878,4296
ID=NCLIV_046980 + 11 G..ATGG
1812564,1814166,1603,OVER:Starts:1814533-1811852-
1814533,1814657,125,END: start -2681 GT
1815217,1815341,125,EXACT,AG-GT
1815885,1816619,735,EXACT,AG
1817148,1817257,110,EXACT,GT
1817991,1818229,239,EXACT,AG-GT
1818648,1819264,617,EXACT,ATG:AG-GT
1819702,1820047,346,EXACT,AG-GT
1820566,1820675,110,EXACT,ATG:AG-GT
1821184,1821397,214,EXACT,AG-GT
1821972,1822328,357,START:Ends:1822831-1822870-1822862-
ID=NCLIV_046990 + 4 A..ATG
1826518,1827744,1227,END:Starts:1825230-1825235-
1828133,1828423,291,EXACT,AG
1828661,1828763,103,EXACT,AG
1829053,1829528,476
ID=NCLIV_047000 + 1 GAGATGC
1832032,1834953,2922
ID=NCLIV_047020 + 7 GCCATGT
1841246,1841323,78
1841679,1841887,209,EXACT,AG-GT
1842065,1842181,117,EXACT,AG-GT
1842503,1842552,50,EXACT,AG-GT
1843031,1843130,100,EXACT,AG-GT
1843813,1843873,61,EXACT,AG-GT

1844302,1844412,111,START:Ends:1845936-1844907-
ID=NCLIV_047040 + 4 A..ATG
1852115,1852127,13,END:Starts:1847620-1850832-1851288-
1852760,1852911,152,EXACT,AG-GT
1853724,1853907,184,EXACT,AG-GT
1854281,1854501,221,START:Ends:1855265-1855324-1858078-
ID=NCLIV_047070 + 13 A..ATG
1880069,1884407,4339
1884622,1884974,353
1886997,1887038,42
1887335,1888046,712
1890399,1890463,65
1890920,1898159,7240
1898593,1898689,97
1899202,1908503,9302
1910025,1912628,2604,END: start 2064 GT (ref:AG-GT)<< Possible error
1912816,1914906,2091,EXACT,AG-GT
1915386,1915664,279,END: start -5 GT
1916184,1917979,1796,END: start 33 GT (ref:AG-GT)<< Possible error
1918593,1918667,75,START:Ends:1919240-1919271-1919287-
ID=NCLIV_047090 + 4 A..ATG
1923610,1923642,33,END:Starts:1920928-1922903-1922922-
1924090,1924171,82,EXACT,AG-GT
1924852,1924901,50,EXACT,AG-GT
1925108,1925152,45,START:Ends:1926196-1926534-1928962-
ID=NCLIV_047110 + 2 A..ATG
1930714,1935100,4387
1935253,1935395,143
ID=NCLIV_047130 + 3 [CT]..ATG[ACT]
1959376,1959463,88,END:EXACT
1959942,1960193,252,EXACT,AG-GT
1960647,1961032,386,START:Ends:1961460-1961457-1960941-
ID=NCLIV_047160 + 8 [CT]..ATG[ACT]
1978988,1979260,273,END:Starts:1977476-1977506-1977500-
1979973,1980212,240,EXACT,AG-GT
1980718,1980855,138,EXACT,AG-GT
1981177,1981314,138,EXACT,AG-GT
1981452,1981568,117,EXACT,AG-GT
1981889,1981961,73,EXACT,AG-GT
1982121,1982224,104,END: start 8 GT
1982718,1982816,99,START:Ends:1987305-1984926-
ID=NCLIV_047190 + 11 [CT]..ATG[ACT]
2001735,2003491,1757,END:Starts:2003076-2000494-
2004014,2004179,166,EXACT,AG-GT
2004795,2004872,78,EXACT,AG-GT
2005453,2005561,109,EXACT,AG-GT
2006054,2006124,71,EXACT,AG-GT
2006780,2006924,145,EXACT,AG-GT
2007184,2007260,77,START: end -7 AG-GC
2007811,2007960,150,EXACT,GT
2008201,2008306,106,EXACT,AG-GT
2008535,2008567,33
2009035,2009132,98,START:Ends:2013992-2014001-2014552-
ID=NCLIV_047210 + 4 A..ATG
2015522,2016273,752
2016846,2016961,116,END: start 2 GT
2017072,2017177,106
2017841,2017973,133,START:Ends:2018485-2018420-
ID=NCLIV_047220 + 5 GAGATGC
2020991,2021744,754,END:Starts:2019195-2019381-2020212-

2022280,2022761,482,EXACT,AG-GT
2023136,2023433,298,EXACT,Info:TAG|TGA|TAA:AG-GT-donor=CT-AG-GT-
2023726,2024101,376,END: start -157 AG-GT (ref:AG-GT)<< Possible error
2024486,2024726,241,START:Ends:2026186-2026152-2026154-
ID=NCLIV_047240 + 2 A..ATG
2034668,2035233,566,END:Starts:2033642-2033640-2033666-
2035570,2035813,244,START:Ends:2036045-2036054-2036064-
ID=NCLIV_047260 + 12 A..ATG
2038711,2038926,216,END:Starts:2038840-2038442-
2039158,2039284,127,EXACT,AG-GT
2039763,2039912,150,START: end 467 AG-GT
2040195,2040370,176,OVER: start -432 and end 9 AG-GT
2040927,2041076,150,EXACT,AG-GT
2041254,2041331,78,EXACT,AG-GT
2041767,2042012,246,EXACT,AG-GT
2042717,2042848,132,EXACT,AG-GT
2043456,2043566,111,EXACT,AG-GT
2044134,2044241,108,EXACT,AG-GT
2044814,2044964,151,EXACT,AG-GT
2045104,2045204,101,START:Ends:2045574-2045533-2045147-
ID=NCLIV_047290 + 2 A..ATG
2060682,2060972,291,END:Starts:2060406-2060395-2060385-
2061557,2061931,375,START:Ends:2062199-2062467-2062244-
ID=NCLIV_047310 + 3 CTCATGG
2073329,2073709,381,END:Starts:2072617-2072679-
2074146,2074240,95,END: start 43 GT
2074569,2074731,163,START:Ends:2075385-2075426-
ID=NCLIV_047330 + 12 A..ATG
2083218,2083423,206,END:Starts:2082009-2082059-
2083781,2083928,148,EXACT,AG-GT
2084173,2084220,48,EXACT,AG-GT
2084766,2084874,109,START: end -14 AG
2085009,2085104,96,END: start 4 GT (ref:AG-GT)<< Possible error
2085427,2085500,74,EXACT,AG-GT
2085941,2086133,193,EXACT,AG-GT
2086417,2086480,64,EXACT,AG-GT
2086770,2086912,143,EXACT,AG-GT
2087344,2087489,146,EXACT,AG-GT
2087928,2088000,73,EXACT,AG-GT
2088346,2088389,44,START:Ends:2089042-2088899-2089397-
ID=NCLIV_047380 + 5 CCAATGG
2118042,2119122,1081,END:Starts:2117606-2115072-2117755-
2119602,2119735,134,EXACT,AG-GT
2120031,2120151,121,START: end 652 AG-GT
2120665,2120803,139,END: start -201 AG-GT
2120943,2121327,385,START:Ends:2121136-2121978-2121781-
ID=NCLIV_047390 + 5 CCCATGG
2124380,2124917,538,END:Starts:2122705-2123193-2123287-
2125097,2125224,128,EXACT,AG-GT
2125321,2125447,127,EXACT,AG-GT
2125685,2125931,247,EXACT,AG-GT
2126029,2126497,469,START:Ends:2126774-2127898-
ID=NCLIV_047400 + 6 A..ATG
2131964,2132044,81,END:EXACT
2132302,2132883,582,EXACT,AG-GT
2133277,2133382,106,EXACT,AG-GT
2133724,2133938,215,EXACT,AG-GT
2134078,2134153,76,EXACT,AG-GT
2134758,2134975,218,START:Ends:2135720-2135738-2135721-
ID=NCLIV_047420 + 6 A..ATG

2148947,2151736,2790
2151849,2152413,565
2152745,2153124,380
2153528,2153881,354
2154070,2154225,156
2154366,2156909,2544
ID=NCLIV_047440 + 12 GTGATGT
2173113,2174102,990,END:Starts:2172006-2172124-
2174293,2174386,94,EXACT,AG-GT
2174637,2174808,172,EXACT,AG-GT
2175319,2175658,340,EXACT,AG-GT
2176264,2176983,720,EXACT,AG-GT
2177302,2177567,266,EXACT,AG-GT
2178043,2178679,637,EXACT,AG-GT
2178966,2179241,276,EXACT,AG-GT
2179441,2179941,501,EXACT,AG-GT
2180246,2181677,1432,EXACT,AG-GT
2181845,2182006,162,EXACT,AG-GT
2182490,2182605,116,START:Ends:2182944-2182918-2182919-
ID=NCLIV_047450 + 1 A..ATG
2184818,2185186,369
ID=NCLIV_047460 + 6 A..ATG
2189348,2189436,89,END:Starts:2188983-2188962-2188981-
2190163,2190301,139,EXACT,AG-GT
2190716,2190884,169,EXACT,AG-GT
2191366,2191430,65,EXACT,AG-GT
2191941,2191999,59,EXACT,AG-GT
2192449,2192629,181,START:Ends:2193074-2193089-2193092-
ID=NCLIV_047500 + 33 A..ATG
2215674,2215868,195,END:Starts:2215104-2215059-
2216491,2216637,147,EXACT,AG-GT
2217132,2217294,163,EXACT,AG-GT
2218238,2218530,293,EXACT,AG-GT
2219014,2219131,118,EXACT,AG-GT
2219579,2219871,293,EXACT,AG-GT
2220482,2220511,30,EXACT,AG-GT
2221292,2221336,45,EXACT,AG-GT
2221921,2221968,48,EXACT,AG-GT
2222691,2222877,187,EXACT,AG-GT
2223210,2223271,62,EXACT,AG-GT
2223670,2223709,40,START: end 225 TAG|TGA|TAA:AG-GT
2223887,2223934,48,END: start -217 TAG|TGA|TAA:AG-GT
2225619,2225873,255,EXACT,AG-GT
2226624,2227154,531,EXACT,AG-GT
2227870,2228118,249,EXACT,AG-GT
2228498,2228653,156,START: end 315 AG-GT
2229531,2229590,60,START: end -4 AG
2229988,2230005,18
2230695,2230718,24
2231180,2231221,42,EXACT,AG-GT
2231714,2231752,39,EXACT,AG-GT
2232126,2232164,39,EXACT,AG-GT
2232640,2232684,45,EXACT,AG-GT
2232974,2233015,42,EXACT,GT
2233425,2233469,45,EXACT,AG-GT
2233813,2233863,51,EXACT,AG-GT
2234337,2234399,63,EXACT,AG-GT
2234691,2234744,54,START: end 587 AG
2235296,2235331,36,END: start 11 GT
2235832,2235918,87,EXACT,AG-GT

2236586,2236816,231,START: end 2009 AG
 2236875,2237623,749,OVER:Ends:2238825-2238471-
 ID=NCLIV_047510 + 3 A..ATG
 2240070,2240432,363
 2240646,2242043,1398
 2242627,2242863,237
 ID=NCLIV_047520 + 1 A..ATG
 2249631,2250749,1119
 ID=NCLIV_047530 + 7 A..ATG
 2252226,2252304,79,END:Starts:2252045-2251956-
 2252611,2252720,110,END: start -30 AG-GT
 2252828,2252951,124,EXACT,TAG|TGA|TAA:AG-GT
 2253369,2253425,57,START: end -6 AG
 2253628,2253842,215,END: start -11 GT (ref:AG-GT)<< Possible error
 2254025,2254469,445,EXACT,AG-GT
 2254714,2255570,857,START:Ends:2256436-2256463-2256432-
 ID=NCLIV_047560 + 12 TCCATGG
 2271596,2273904,2309,END:Starts:2270898-2272467-2273430-
 2274334,2274976,643,EXACT,AG-GT
 2275468,2275887,420,EXACT,AG-GT
 2276076,2276328,253,EXACT,AG-GT
 2276707,2279636,2930,EXACT,AG-GT
 2280073,2280573,501,EXACT,AG
 2281308,2282516,1209
 2283153,2283343,191
 2283908,2284078,171
 2284633,2284762,130
 2285246,2285406,161
 2286138,2286447,310
 ID=NCLIV_047570 + 10 A..ATG
 2289069,2289148,80
 2289544,2289668,125
 2290401,2290439,39,EXACT,GT
 2291118,2291167,50,END: start -4 GT
 2291742,2291795,54,END: start -1 AG-GT (ref:AG-GT)<< Possible error
 2292370,2292417,48,EXACT,AG-GT
 2293581,2293709,129,EXACT,AG-GT
 2294093,2294129,37,START: end 2 AG-GT (ref:AG-GT)<< Possible error
 2294554,2294597,44,EXACT,AG-GT
 2294982,2295011,30
 ID=NCLIV_047580 + 2 [CT]..ATG[ACT]
 2299206,2301024,1819
 2301716,2304021,2306
 ID=NCLIV_047590 + 11 A..ATG
 2308898,2309140,243
 2309441,2309601,161
 2310197,2310326,130
 2312250,2312315,66
 2313776,2314189,414
 2314632,2314714,83
 2315185,2315240,56,END: start 6 GT
 2315677,2315750,74,EXACT,AG-GT
 2316325,2316422,98,EXACT,AG-GT
 2316773,2316908,136,EXACT,AG-GT
 2317532,2317975,444,START:Ends:2318202-2318666-2318844-
 ID=NCLIV_047600 + 8 A..ATG
 2321471,2322193,723,END:Starts:2321092-2320344-2321039-
 2322768,2322864,97,EXACT,AG-GT
 2323427,2323600,174,EXACT,AG-GT
 2324020,2324097,78,EXACT,TAG|TGA|TAA:AG-GT

2324521,2324825,305,EXACT,AG-GT
2325146,2325617,472,EXACT,AG-GT
2326067,2326313,247,START: end 1315 AG
2326806,2326974,169,OVER:Ends:2327516-2327628-
ID=NCLIV_047610 + 7 G..ATGG
2329385,2329601,217
2330157,2330235,79
2331026,2331120,95
2331586,2331656,71,END: start -173 GT (ref:AG-GT)<< Possible error
2331975,2332100,126,EXACT,AG-GT
2332557,2332664,108,START: end 327 Info:donor=GA-AG-GC-AG-GT-
2333414,2333461,48
ID=NCLIV_047630 + 2 A..ATG
2345912,2346115,204,END:Starts:2345614-2345684-2345641-
2346901,2347167,267,START:Ends:2347410-2347414-2347411-
ID=NCLIV_047650 + 8 A..ATG
2353396,2353508,113
2353997,2354075,79,EXACT,GT
2354534,2354618,85,EXACT,AG-GT
2355237,2355346,110,EXACT,AG-GT
2355807,2355967,161,START: end -3 AG
2356353,2356422,70,END: start 9 GT
2356867,2356968,102,EXACT,AG-GT
2358821,2358889,69,OVER:Ends:2358495-2358946-
ID=NCLIV_047670 + 15 A..ATG
2366089,2366133,45
2366906,2367072,167
2367730,2367869,140
2368698,2369025,328
2369562,2369853,292
2370435,2371199,765
2371607,2371809,203
2372609,2372825,217
2373370,2373675,306
2374205,2374410,206
2375030,2375143,114
2375790,2376211,422
2377150,2377271,122
2377489,2377649,161
2378222,2378327,106
ID=NCLIV_047720 + 9 A..ATG
2416137,2416193,57
2416917,2417172,256
2417605,2417963,359,END: start -17 GT
2418281,2419015,735,END: start -90 AG-GT
2419286,2419510,225,EXACT,AG-GT
2419672,2419815,144,EXACT,AG-GT
2420313,2420562,250,START: end -53 AG
2420887,2421438,552,END: start 7 GT (ref:AG-GT)<< Possible error
2421716,2422431,716,START:Ends:2423344-2421900-2423850-
ID=NCLIV_047730 + 2 A..ATG
2426819,2429558,2740
2430124,2430824,701
ID=NCLIV_047740 + 1 G..ATGG
2434793,2435536,744
ID=NCLIV_047750 + 8 A..ATG
2443670,2443858,189,END:Starts:2439531-2441639-2442106-
2444480,2444720,241,START: end -3 AG
2445051,2445228,178,END: start -2 GT (ref:AG-GT)<< Possible error
2445758,2446032,275,START: end -7 AG-GT

2446444,2446611,168,END: start -20 GT (ref:AG-GT)<< Possible error
 2446805,2447402,598,EXACT,AG-GT
 2447556,2447637,82,EXACT,AG-GT
 2447949,2448086,138,START:EXACT
 ID=NCLIV_047760 + 6 GCCATGC
 2452502,2453084,583
 2453649,2453905,257
 2455631,2455870,240
 2456176,2456287,112
 2456802,2456887,86
 2457178,2457360,183
 ID=NCLIV_047770 + 5 CAGGCGT
 2463344,2464105,762
 2464712,2464912,201
 2465252,2465344,93
 2465936,2466207,272
 2467156,2467477,322
 ID=NCLIV_047800 + 5 TTCATGG
 2493792,2494256,465,END:Starts:2493038-2493107-2493085-
 2494544,2494636,93,EXACT,AG-GT
 2494969,2495067,99,START: end 249 AG
 2495849,2495881,33
 2495951,2496013,63
 ID=NCLIV_047810 + 4 A..ATG
 2502014,2502265,252,END:Starts:2501739-2501463-2501718-
 2502931,2503071,141,EXACT,AG-GT
 2503599,2503766,168,START: end -14 AG
 2504261,2504473,213,OVER:Ends:2506036-2506776-
 ID=NCLIV_047840 + 20 A..ATG
 2529410,2535304,5895,END:Starts:2534843-2534588-
 2535752,2540674,4923,EXACT,AG-GT
 2541290,2541424,135,EXACT,AG-GT
 2542116,2542788,673,EXACT,TAG|TGA|TAA:AG-GT
 2542902,2543152,251,END: start 2 GT
 2543480,2544090,611,START: end -34 AG
 2544357,2545746,1390
 2546231,2546639,409
 2547265,2547646,382,START: end 2405 GC
 2548111,2550042,1932,OVER: start -846 and end 9 GC
 2550393,2550521,129,EXACT,AG-GT
 2550811,2551294,484,START: end -14 AG
 2551720,2552717,998,EXACT,AG-GT
 2553586,2554230,645,START: end -16 AG
 2554713,2558102,3390,END: start -104 GT (ref:AG-GT)<< Possible error
 2558703,2559170,468,EXACT,AG-GT
 2559772,2559877,106,EXACT,AG-GT
 2560520,2561500,981,EXACT,AG-GT
 2561940,2563568,1629,EXACT,AG-GT
 2564014,2564277,264,START:Ends:2565937-2566217-2566258-
 ID=NCLIV_047860 + 1 A..ATG
 2576444,2578735,2292,OVER:Ends:2581439-2580775-
 ID=NCLIV_047870 + 18 CCAATGG
 2589635,2590393,759,END:Starts:2587839-2587909-2589290-
 2591071,2591377,307,EXACT,AG-GT
 2591764,2592043,280,EXACT,AG-GT
 2592417,2592516,100,EXACT,AG-GT
 2592977,2593081,105,EXACT,AG-GT
 2593503,2593591,89,EXACT,AG-GT
 2593789,2593849,61,EXACT,AG-GT
 2594251,2594494,244,EXACT,AG-GT

2594906,2595269,364,EXACT,AG-GT
 2595434,2595539,106,EXACT,AG-GT
 2595951,2596058,108,EXACT,AG-GT
 2596468,2596554,87,EXACT,AG-GT
 2597109,2597161,53,EXACT,AG-GT
 2597783,2597825,43,EXACT,AG-GT
 2598970,2599103,134,EXACT,AG-GT
 2599459,2600249,791,EXACT,AG-GT
 2600814,2600904,91,EXACT,AG-GT
 2601402,2601504,103,START:Ends:2603003-2602779-2609337-
 ID=NCLIV_047890 + 1 A..ATG
 2609995,2610633,639
 ID=NCLIV_047970 + 2 GAAATGT
 2645393,2645994,602,END:Starts:2645235-2645372-2645538-
 2646455,2647190,736,START:Ends:2646517-2649585-2649427-
 ID=NCLIV_047980 + 2 A..ATG
 2651064,2651623,560,END:Starts:2650413-2650394-2650386-
 2651936,2652086,151,START:EXACT
 ID=NCLIV_048000 + 1 A..ATG
 2691983,2693578,1596
 ID=NCLIV_048020 + 5 A..ATG
 2711556,2711624,69,END:Starts:2711269-2711299-
 2712467,2712898,432,EXACT,AG-GT
 2713092,2713280,189,EXACT,AG-GT
 2713709,2713878,170,START: end 226 AG
 2714128,2714254,127
 ID=NCLIV_048050 + 5 [CT]..ATG[ACT]
 2728890,2729123,234,END:Starts:2727597-2727564-
 2729491,2729577,87,EXACT,AG-GT
 2730036,2730359,324,EXACT,AG-GT
 2730634,2730807,174,EXACT,AG-GT
 2731101,2731256,156,START:EXACT
 ID=NCLIV_048060 + 1 CCTATGG
 2734044,2735393,1350,OVER:Starts:2732843-2731726-
 ID=NCLIV_048080 + 4 A..ATG
 2748626,2748745,120,END:EXACT
 2749143,2749244,102,EXACT,AG-GT
 2749425,2749595,171,EXACT,AG-GT
 2750185,2750397,213,START:Ends:2751479-2752573-2751672-
 ID=NCLIV_048090 + 9 A..ATG
 2760938,2760972,35,END:Starts:2759965-2759100-
 2761694,2761850,157,END: start -171 AG-GT
 2762316,2762426,111,EXACT,AG-GT
 2763054,2763170,117,EXACT,AG-GT
 2763787,2763832,46,EXACT,AG-GT
 2764319,2764427,109,EXACT,AG-GT
 2764796,2764855,60,EXACT,AG-GT
 2765208,2765334,127,EXACT,AG-GT
 2765676,2765873,198,START:Starts:2765676-
 ID=NCLIV_048110 + 8 G..ATGG
 2777616,2777670,55
 2778104,2778228,125
 2779037,2779115,79
 2779827,2780008,182
 2780624,2780749,126,END: start -390 GT
 2781112,2781259,148,END: start 69 AG-GT
 2781670,2781797,128,EXACT,AG-GT
 2782078,2782374,297,START:Ends:2782603-2782503-
 ID=NCLIV_048130 + 11 GCAATGT
 2791016,2791907,892,END:Starts:2789948-2789928-2790926-

2792500,2792837,338,EXACT,AG-GT
 2793320,2793416,97,EXACT,AG-GT
 2794114,2794382,269,EXACT,AG-GT
 2795044,2795236,193,EXACT,AG-GT
 2795797,2795949,153,START: end 559 AG-GT
 2796732,2796801,70,END: start -208 AG-GT (ref:AG-GT)<< Possible error
 2796974,2797082,109,EXACT,AG-GT
 2797860,2797949,90,EXACT,AG-GT
 2798215,2798384,170,EXACT,AG-GT
 2798583,2798703,121,START:Ends:2799722-2799260-2800901-
 ID=NCLIV_048150 + 4 CCCATGG
 2808764,2809698,935
 2810118,2810532,415
 2811113,2811353,241,END: start 81 GT
 2811729,2811844,116
 ID=NCLIV_048180 + 4 A..ATG
 2840527,2840676,150,END:EXACT
 2841025,2841234,210,EXACT,AG-GT
 2841897,2842037,141,EXACT,AG-GT
 2842379,2842486,108,START:Ends:2844260-2844210-2844250-
 ID=NCLIV_048200 + 11 [CT]..ATG[ACT]
 2859620,2859629,10
 2859906,2860015,110
 2860533,2860570,38
 2861389,2861605,217,END: start -839 GT
 2862183,2862300,118,EXACT,AG-GT
 2862401,2862839,439,START: end -72 AG-GT
 2863336,2863646,311
 2863972,2864054,83
 2864417,2864515,99
 2864922,2865076,155,END: start 46 GT
 2865425,2865506,82,START:Ends:2867994-2867981-
 ID=NCLIV_048230 + 13 [CT]..ATG[ACT]
 2883471,2883625,155
 2884608,2884761,154,END: start -842 GT (ref:AG-GT)<< Possible error
 2885736,2885924,189,END: start -233 AG-GT (ref:AG-GT)<< Possible error
 2886296,2886478,183,EXACT,AG-GT
 2886800,2887039,240,EXACT,AG-GT
 2887238,2887310,73
 2887463,2887541,79,EXACT,ATG:AG-GT
 2888002,2888193,192,START: end 745 AG-GT
 2888593,2888938,346,END: start -591 AG-GT
 2889526,2889888,363,EXACT,AG-GT
 2890230,2890432,203,EXACT,AG-GT
 2890933,2891123,191,EXACT,AG-GT
 2892557,2892909,353,START:Ends:2893368-2893421-2892594-
 ID=NCLIV_048260 + 3 G..ATGG
 2912062,2912378,317,END:Starts:2910653-2910720-
 2912631,2912798,168,EXACT,AG-GT
 2913209,2914013,805,START:Ends:2915285-2915282-2913224-
 ID=NCLIV_048270 + 2 A..ATG
 2919245,2922326,3082
 2923245,2926840,3596
 ID=NCLIV_048275 + 8 [CT]..ATG[ACT]
 2929998,2930199,202
 2930517,2930631,115,EXACT,AG-GT
 2931143,2931253,111,EXACT,AG-GT
 2932544,2932790,247
 2933115,2933202,88,EXACT,AG-GT
 2933535,2933608,74,END: start -35 AG-GT (ref:AG-GT)<< Possible error

2934282,2934358,77
 2934793,2935366,574, WITHIN:EXACT
 ID=NCLIV_048280 + 11 A..ATG
 2939087,2939252,166
 2939567,2939693,127
 2940008,2940118,111
 2940582,2940628,47
 2940892,2940942,51
 2941310,2941397,88
 2941993,2942101,109
 2942497,2942567,71
 2942891,2943033,143, EXACT,GT
 2943480,2943528,49, END: start -1 GT
 2944184,2944340,157, START:Ends:2945059-2945573-
 ID=NCLIV_048310 + 9 GCGATGT
 2997119,2997988,870, END:Starts:2994899-2995352-2997159-
 2998407,2998526,120, EXACT,AG-GT
 2998748,3000002,1255, EXACT,AG-GT
 3000515,3000636,122, EXACT,AG-GT
 3001138,3001240,103, EXACT,AG-GT
 3001536,3001642,107, EXACT,AG-GT
 3001768,3001847,80, EXACT,TAG|TGA|TAA:AG-GT
 3002265,3002503,239, EXACT,AG-GT
 3002847,3003313,467, START:Ends:3004484-3004337-3004485-
 ID=NCLIV_048320 + 4 G..ATGG
 3015157,3018486,3330
 3018753,3018821,69
 3019119,3019222,104
 3019595,3022040,2446, START:Ends:3020695-3024117-
 ID=NCLIV_048330 + 9 A..ATG
 3028201,3028419,219, END:Starts:3026548-3026605-
 3028934,3029045,112, EXACT,AG-GT
 3029603,3029694,92, EXACT,AG-GT
 3029919,3030048,130, EXACT,AG-GT
 3030551,3030662,112, EXACT,ATG:AG-GT
 3030890,3030987,98, EXACT,AG-GT
 3031087,3031175,89, EXACT,AG-GT
 3031458,3031576,119, EXACT,AG-GT
 3032055,3032130,76, START:Ends:3033870-3033731-3033758-
 ID=NCLIV_048380 + 12 G..ATGG
 3084392,3084884,493, END:Starts:3083964-3083685-
 3085278,3085625,348, START: end 515 AG
 3087255,3087340,86, OVER: start -275 and end 848 GT
 3088720,3089892,1173, START: end 3 AG
 3090330,3091046,717
 3091456,3092745,1290, EXACT,AG-GT
 3093117,3093238,122, START: end 114 Info:AG-GT-AG-GC-donor=CG-
 3093567,3093823,257
 3094670,3094827,158
 3095285,3095384,100
 3096017,3097616,1600, END: start 1231 GT (ref:AG-GT)<< Possible error
 3097863,3098352,490, START:Ends:3098706-3098718-3098756-
 ID=NCLIV_048390 + 1 TCCATGG
 3101528,3105379,3852
 ID=NCLIV_048420 + 9 A..ATG
 3118125,3118169,45, END:Starts:3118071-3117147-
 3118829,3118921,93, EXACT,AG-GT
 3119136,3119283,148, EXACT,AG-GT
 3119681,3119831,151, EXACT,AG-GT
 3120103,3120206,104, EXACT,AG-GT

3120478,3120559,82,START: end 75 Info:AG-GC-donor=AC-AG-GT-
 3121262,3121392,131,END: start -173 AG-GT (ref:AG-GT)<< Possible error
 3121712,3121753,42,EXACT,AG-GT
 3121912,3122096,185,START:Ends:3122701-3122714-3121943-
 ID=NCLIV_048430 + 6 A..ATG
 3125600,3126203,604,END:Starts:3124283-3124321-
 3126889,3127092,204,EXACT,AG-GT
 3127376,3127467,92
 3128119,3128280,162,EXACT,AG-GT
 3128934,3129253,320,EXACT,AG-GT
 3129498,3129591,94,START:Ends:3131023-3132846-3131462-
 ID=NCLIV_048440 + 1 A..ATG
 3135886,3142308,6423
 ID=NCLIV_048450 + 9 A..ATG
 3145792,3145824,33,END:Starts:3143082-3144834-3144726-
 3146502,3146781,280,EXACT,AG-GT
 3147495,3147595,101,EXACT,AG-GT
 3148136,3148165,30,EXACT,AG-GT
 3148885,3148938,54,END: start -266 AG-GT
 3149386,3149448,63,EXACT,AG-GT
 3149826,3149884,59,EXACT,AG-GT
 3150014,3150074,61,EXACT,AG-GT
 3150461,3154453,3993,START:Ends:3155321-3155349-
 ID=NCLIV_048480 + 3 CCGATGG
 3168504,3168893,390
 3169568,3169696,129
 3169744,3170634,891
 ID=NCLIV_048500 + 2 A..ATG
 3185390,3185617,228,END:Starts:3184057-3184965-3184977-
 3185964,3186071,108,START:Ends:3186141-3186225-3186152-
 ID=NCLIV_048510 + 1 A..ATG
 3188767,3190956,2190
 ID=NCLIV_048540 + 2 G..ATGG
 3216883,3216937,55
 3217644,3220384,2741
 ID=NCLIV_048590 + 19 A..ATG
 3250588,3250753,166,END:Starts:3250018-3250077-
 3251024,3251152,129,EXACT,AG-GT
 3251438,3251587,150,EXACT,AG-GT
 3251703,3251888,186,END: start 92 GT
 3252073,3252758,686,EXACT,AG
 3252971,3253015,45,EXACT,AG-GT
 3253344,3253704,361,EXACT,AG-GT
 3254166,3254681,516,EXACT,AG-GT
 3254822,3254871,50,EXACT,AG-GT
 3254997,3255078,82,START: end 262 AG
 3255537,3255772,236,END: start 9 GT (ref:AG-GT)<< Possible error
 3255962,3256489,528,EXACT,AG-GT
 3256705,3257153,449,START: end -15 AG
 3257399,3257637,239,END: start -6 GT (ref:AG-GT)<< Possible error
 3257993,3258301,309,EXACT,AG-GT
 3258533,3259213,681,EXACT,AG-GT
 3259367,3259861,495,EXACT,AG-GT
 3259966,3260316,351,EXACT,AG-GT
 3260495,3260649,155,START:Ends:3264478-3264685-3266010-
 ID=NCLIV_048610 + 5 [CT]..ATG[ACT]
 3274158,3274188,31,OVER:Starts:3273630-3273537-
 3274854,3277033,2180,END: start -1317 GT
 3277745,3277907,163,END: start 97 AG-GT
 3278348,3278571,224,EXACT,AG-GT

3279644,3279679,36,START:EXACT
ID=NCLIV_048630 + 11 GCCATGC
3310154,3310811,658,END:Starts:3307889-3307912-3310054-
3311495,3311645,151,EXACT,AG-GT
3312286,3312296,11
3312731,3312849,119,END: start 51 AG-GT (ref:AG-GT)<< Possible error
3313223,3313344,122,EXACT,AG-GT
3313593,3313659,67,EXACT,AG-GT
3314197,3314306,110,EXACT,AG-GT
3314715,3314778,64,EXACT,AG-GT
3315276,3315355,80,EXACT,AG-GT
3315819,3316649,831,START: end 1006 AG
3317102,3317159,58,OVER:Ends:3317650-3317655-3317739-
ID=NCLIV_048660 + 1 CACATGG
3329224,3331389,2166
ID=NCLIV_048700 + 4 A..ATG
3362379,3362428,50,END:EXACT
3362969,3363075,107,EXACT,AG-GT
3363562,3363678,117,EXACT,AG-GT
3363909,3364522,614,START:Ends:3365178-3365201-3365286-
ID=NCLIV_048710 + 10 A..ATG
3367620,3367885,266,END:Starts:3366814-3366736-3366811-
3368224,3368583,360,EXACT,AG-GT
3368941,3369011,71,EXACT,AG-GT
3369481,3369608,128,EXACT,AG-GT
3369782,3369957,176,EXACT,AG-GT
3370169,3370253,85,EXACT,AG-GT
3371285,3371465,181,EXACT,AG-GT
3371714,3372022,309,EXACT,AG-GT
3372324,3373738,1415,EXACT,AG-GT
3374067,3374156,90,START:Ends:3374538-3374754-3374569-
ID=NCLIV_048730 + 5 A..ATG
3391390,3391504,115
3391564,3391593,30
3391654,3391817,164
3391873,3391911,39
3391970,3391981,12
ID=NCLIV_048750 + 5 A..ATG
3405962,3406060,99,END:Starts:3404233-3404228-
3406742,3406849,108,EXACT,AG-GT
3407293,3407382,90,EXACT,AG-GT
3407846,3409563,1718,EXACT,AG-GT
3410254,3410350,97,START:Ends:3411313-3417643-3417667-
ID=NCLIV_048810 + 11 A..ATG
3454657,3454884,228,END:Starts:3454035-3454106-3454141-
3455101,3455248,148,EXACT,AG-GT
3455402,3455526,125,EXACT,AG-GT
3455761,3455909,149,EXACT,AG-GT
3456035,3456164,130,EXACT,AG-GT
3456271,3456395,125,START: end 441 AG
3457112,3457154,43
3458164,3458302,139,END: start -244 GT (ref:AG-GT)<< Possible error
3458465,3458763,299,EXACT,AG-GT
3459122,3459211,90,EXACT,AG-GT
3459424,3459480,57,START:Ends:3459825-3459916-3459983-
ID=NCLIV_048820 + 10 A..ATG
3462019,3463153,1135
3463725,3463777,53,EXACT,GT
3464114,3464324,211,START: end 503 AG
3464916,3465044,129,END: start 21 GT (ref:AG-GT)<< Possible error

3465465,3465574,110,EXACT,AG-GT
 3465971,3466195,225,EXACT,AG-GT
 3466626,3466724,99,EXACT,AG-GT
 3467353,3467418,66,EXACT,AG-GT
 3467810,3467885,76,EXACT,AG-GT
 3468221,3468417,197,START:Ends:3468765-3468761-3468737-
 ID=NCLIV_048830 + 1 G..ATGG
 3472363,3477120,4758
 ID=NCLIV_048850 + 1 G..ATGG
 3482629,3483387,759
 ID=NCLIV_048890 + 5 A..ATG
 3510516,3510848,333,END:Starts:3509859-3508111-
 3511068,3511168,101,EXACT,AG-GT
 3511514,3511864,351,EXACT,AG-GT
 3512292,3512853,562,EXACT,AG-GT
 3513467,3513796,330,START:Ends:3514865-3514876-3521800-
 ID=NCLIV_048910 + 1 CAGATGG
 3523470,3524420,951
 ID=NCLIV_048920 + 1 CCAATGG
 3527180,3528532,1353
 ID=NCLIV_048950 + 3 G..ATGG
 3544342,3545204,863
 3546439,3546583,145
 3546640,3546675,36
 ID=NCLIV_048970 + 6 A..ATG
 3555643,3558435,2793,END:Starts:3554957-3555140-3557199-
 3558945,3559118,174,EXACT,AG-GT
 3559719,3559847,129,START: end 1 AG
 3559969,3560064,96,END: start 9 GT (ref:AG-GT)<< Possible error
 3560720,3560812,93,EXACT,AG-GT
 3561184,3561264,81,START:Ends:3561703-3561691-3561628-
 ID=NCLIV_048980 + 1 A..ATG
 3563693,3564580,888
 ID=NCLIV_048990 + 22 A..ATG
 3571506,3572651,1146
 3573093,3573240,148
 3573512,3573761,250
 3574216,3574251,36
 3575039,3575143,105
 3576796,3577013,218
 3577487,3577651,165
 3577995,3578210,216
 3578664,3578828,165
 3579310,3580262,953
 3580635,3581977,1343
 3582576,3583375,800
 3583700,3583963,264
 3584634,3584864,231
 3585134,3585376,243
 3585762,3585857,96
 3586661,3587742,1082
 3588078,3588390,313
 3588793,3589508,716
 3590348,3592051,1704
 3592584,3593192,609
 3593570,3596362,2793
 ID=NCLIV_049030 + 8 A..ATG
 3622666,3622737,72,END:Starts:3621875-3621943-
 3623250,3623378,129,EXACT,AG-GT
 3623781,3623839,59,EXACT,AG-GT

3624157,3624216,60,EXACT,AG-GT
 3624439,3624616,178,EXACT,AG-GT
 3624722,3624794,73,EXACT,AG-GT
 3625000,3625052,53,EXACT,ATG:AG-GT
 3625318,3625371,54,START:Ends:3625344-3625330-3626036-
 ID=NCLIV_049040 + 4 [CT]..ATG[ACT]
 3626825,3627023,199
 3627083,3627116,34
 3627174,3627244,71
 3627309,3627352,44
 ID=NCLIV_049050 + 18 A..ATG
 3630248,3630496,249,END:Starts:3629227-3629318-3629326-
 3630892,3631228,337,EXACT,AG-GT
 3632036,3633798,1763,EXACT,AG-GT
 3634100,3634688,589,EXACT,AG-GT
 3635135,3635811,677,EXACT,AG-GT
 3636211,3636522,312,EXACT,AG-GT
 3636850,3637140,291,EXACT,ATG:AG-GT
 3637757,3638011,255,EXACT,AG-GT
 3638497,3638773,277,EXACT,AG-GT
 3639434,3639727,294,EXACT,AG-GT
 3640139,3640376,238,EXACT,AG-GT
 3640663,3640936,274,EXACT,AG-GT
 3641098,3641287,190,EXACT,AG-GT
 3641693,3641898,206,EXACT,AG-GT
 3642332,3642596,265,EXACT,AG-GT
 3643124,3643215,92,EXACT,AG
 3643981,3644103,123,END: start -4 GT (ref:AG-GT)<< Possible error
 3644793,3645053,261,START:Ends:3646636-3647362-3651512-
 ID=NCLIV_049090 + 8 A..ATG
 3693087,3693348,262
 3693654,3693950,297
 3694226,3694428,203
 3694768,3695126,359
 3695554,3695918,365
 3696526,3696685,160
 3697235,3697321,87
 3697944,3698409,466
 ID=NCLIV_049110 + 4 [CT]..ATG[ACT]
 3710648,3710759,112,END:Starts:3710294-3708458-3710249-
 3711086,3711433,348,EXACT,AG-GT
 3711756,3711988,233,EXACT,AG-GT
 3712209,3712580,372,START:Ends:3712736-3714601-3712741-
 ID=NCLIV_049130 + 5 A..ATG
 3718811,3719592,782
 3720094,3720401,308
 3720692,3721128,437
 3721633,3721956,324
 3722449,3722859,411
 ID=NCLIV_049150 + 1 GAAATGC
 3732136,3735540,3405
 ID=NCLIV_049170 + 7 A..ATG
 3742641,3742808,168,OVER:Starts:3741894-3741944-3743163-
 3743163,3743291,129,END: start -1219 GT (ref:AG-GT)<< Possible error
 3743816,3743968,153,EXACT,AG-GT
 3744127,3744307,181,EXACT,AG-GT
 3744798,3744973,176,START: end 336 AG-GT
 3745314,3745325,12,START: end 243 AG-GT
 3745994,3746011,18,START:Ends:3746072-3746015-
 ID=NCLIV_049180 + 3 G..ATGG

3748764,3749564,801,END:Starts:3748226-3748223-3748302-
 3749871,3750032,162,EXACT,AG-GT
 3750288,3750299,12
 ID=NCLIV_049200 + 4 G..ATGG
 3759965,3760353,389
 3760953,3762499,1547
 3763017,3763284,268
 3763838,3763931,94
 ID=NCLIV_049210 + 1 A..ATG
 3767420,3768049,630
 ID=NCLIV_049230 + 8 A..ATG
 3782885,3785484,2600
 3786197,3786456,260
 3786772,3787428,657
 3787575,3787668,94
 3788081,3788259,179
 3788480,3788664,185
 3789162,3790439,1278,END: start 31 GT
 3790890,3790937,48,START:Ends:3792251-3792289-
 ID=NCLIV_049240 + 12 A..ATG
 3800012,3801568,1557,END:Starts:3796121-3797750-3798554-
 3801802,3801950,149,EXACT,TAG|TGA|TAA:AG-GT
 3802250,3802413,164,EXACT,AG-GT
 3802643,3802728,86,EXACT,AG-GT
 3802931,3803094,164,EXACT,AG-GT
 3803628,3803750,123,EXACT,AG-GT
 3804120,3804255,136,EXACT,AG-GT
 3804727,3804843,117,EXACT,AG-GT
 3805401,3805460,60,EXACT,AG-GT
 3806881,3806961,81,END: start -301 GT (ref:AG-GT)<< Possible error
 3807316,3807407,92,EXACT,AG-GT
 3808030,3808138,109,START:EXACT
 ID=NCLIV_049260 + 9 A..ATG
 3818758,3819736,979,END:Starts:3817750-3817703-
 3820431,3820482,52,START: end 54 AG
 3820841,3820988,148
 3821368,3821471,104
 3821739,3821994,256
 3822333,3822468,136
 3822955,3822992,38
 3823187,3824305,1119
 3824831,3824869,39
 ID=NCLIV_049310 + 10 A..ATG
 3862500,3862565,66
 3863117,3863163,47
 3864108,3864166,59
 3864445,3864572,128
 3865000,3865034,35
 3865295,3865343,49
 3865649,3865704,56
 3866923,3867598,676
 3867848,3868283,436
 3868457,3868590,134
 ID=NCLIV_049350 + 1 [CT]..ATG[ACT]
 3916430,3917851,1422
 ID=NCLIV_049390 + 4 A..ATG
 3934992,3935093,102,END:EXACT
 3935443,3935510,68,EXACT,AG-GT
 3935941,3936080,140,EXACT,AG-GT
 3936590,3936933,344,START:Ends:3938243-3938065-3939753-

ID=NCLIV_049420 + 8 [CT]..ATG[ACT]
3957816,3957871,56,OVER:Starts:3956943-3956944-3959417-
3958785,3959621,837,END: start -1841 GT (ref:AG-GT)<< Possible error
3960351,3960661,311,EXACT,AG-GT
3960993,3961704,712,EXACT,AG-GT
3962076,3962539,464,EXACT,AG-GT
3962861,3962975,115,EXACT,AG-GT
3963785,3963874,90,EXACT,AG-GT
3964395,3964521,127,START:Ends:3965090-3965499-3965047-
ID=NCLIV_049450 + 15 G..ATGG
4010444,4010474,31,OVER:Ends:4010493-4010497-4010495-
4011038,4011112,75,END: start -40 GT (ref:AG-GT)<< Possible error
4011461,4012371,911,EXACT,AG-GT
4012586,4013269,684,EXACT,AG-GT
4013802,4014632,831,EXACT,AG-GT
4014926,4014995,70,EXACT,GT
4015364,4015687,324,START: end -12 AG-GT (ref:AG-GT)<< Possible error
4016098,4017477,1380,EXACT,AG-GT
4018181,4018223,43,EXACT,AG-GT
4018772,4018853,82,EXACT,AG-GT
4019103,4019189,87,EXACT,AG-GT
4019476,4019631,156,EXACT,AG-GT
4019855,4020009,155,EXACT,AG-GT
4020364,4021181,818,START: end 811 AG
4021869,4021927,59,OVER:Ends:4022431-4021992-4021953-
ID=NCLIV_049480 + 5 A..ATG
4049603,4049878,276,END:Starts:4049181-4049328-4049354-
4050477,4050500,24,EXACT,AG-GT
4051292,4051423,132,EXACT,AG-GT
4051751,4051800,50,EXACT,AG-GT
4052233,4052299,67,START:EXACT
ID=NCLIV_049500 + 16 A..ATG
4061730,4061753,24,END:Starts:4058008-4058513-4060641-
4062410,4063135,726,EXACT,AG-GT
4063524,4063648,125,EXACT,AG-GT
4064324,4064576,253,EXACT,AG-GT
4064863,4065009,147,EXACT,AG-GT
4065376,4065525,150,EXACT,AG-GT
4066133,4066216,84,EXACT,AG-GT
4066522,4066567,46,EXACT,AG-GT
4067121,4067207,87,EXACT,AG-GT
4067667,4067794,128,EXACT,AG-GT
4067897,4067977,81,EXACT,AG-GT
4068403,4068767,365,EXACT,AG-GT
4069373,4069559,187,START: end -3 AG
4070122,4070204,83,END: start -422 GT
4070409,4070562,154,START: end 2117 AG
4070917,4070973,57,OVER:Ends:4070555-4072679-
ID=NCLIV_049520 + 1 A..ATG
4078382,4079452,1071,OVER:Ends:4080336-4082971-
ID=NCLIV_049530 + 3 A..ATG
4082360,4082971,612,END:Starts:4081473-4082202-
4083329,4083543,215,EXACT,AG-GT
4083915,4084353,439,START:Ends:4084869-4084981-4084979-
ID=NCLIV_049550 + 1 [CT]..ATG[ACT]
4091449,4094562,3114
ID=NCLIV_049560 + 17 G..ATGG
4097636,4097767,132,END:Starts:4096657-4096644-
4098291,4098698,408,EXACT,AG-GT
4099315,4099418,104,EXACT,AG-GT

4099879,4100024,146,EXACT,AG-GT
4100374,4100638,265,EXACT,AG-GT
4101345,4101644,300,EXACT,AG-GT
4101976,4102142,167,EXACT,AG-GT
4102621,4102923,303,EXACT,AG-GT
4103605,4104144,540,EXACT,AG-GT
4104561,4104706,146,EXACT,AG-GT
4105214,4106546,1333,EXACT,AG-GT
4106879,4106964,86,START: end 394 Info:AG-GC-AG-GT-TAG|TGA|TAA:AG-GT-
4107543,4107696,154,EXACT,TAG|TGA|TAA:AG-GT
4108388,4108545,158,EXACT,AG-GT
4109107,4109334,228,EXACT,ATG:AG-GT
4109637,4109871,235,EXACT,AG-GT
4110466,4111199,734,START:EXACT
ID=NCLIV_049590 + 10 A..ATG
4137078,4137341,264,END:Starts:4137042-4136171-
4137872,4137948,77,EXACT,AG-GT
4138210,4138339,130,EXACT,AG-GT
4138817,4138906,90,EXACT,AG
4139430,4139517,88
4139669,4139784,116
4140612,4140725,114
4141139,4141222,84
4141761,4141841,81,END: start -140 GT (ref:AG-GT)<< Possible error
4142027,4142161,135,START:Ends:4143036-4143015-4143065-
ID=NCLIV_049600 + 3 A..ATG
4144107,4144229,123
4145630,4145862,233,EXACT,ATG:AG-GT
4146251,4146410,160,START:Ends:4146598-4146628-4146613-
ID=NCLIV_049650 + 1 A..ATG
4162446,4163567,1122
ID=NCLIV_049660 + 18 A..ATG
4167609,4167672,64
4168316,4169556,1241
4169993,4170122,130
4170435,4170843,409
4171076,4173187,2112,EXACT,GT
4173675,4173741,67,START: end 85 AG
4174073,4174186,114
4175069,4175155,87
4175409,4175501,93,END: start 64 GT
4175890,4176033,144,START: end 871 AG
4176423,4176492,70,OVER: start -533 and end 412 AG
4176889,4176970,82
4177281,4177329,49
4177819,4178283,465
4178610,4178659,50
4179060,4179106,47
4179744,4179916,173
4180483,4180755,273
ID=NCLIV_049680 + 3 A..ATG
4189997,4193300,3304,END:Starts:4190630-4190712-
4193695,4193954,260,START: end -24 AG
4194457,4194804,348
ID=NCLIV_049720 + 4 A..ATG
4228054,4228353,300,END:Starts:4225611-4225266-
4229539,4229730,192,EXACT,Code:INTERNAL-
4230411,4230713,303,EXACT,AG-GT
4231267,4231935,669,START:Ends:4231357-4233248-4233089-
ID=NCLIV_049730 + 1 CAGATGG

4241902,4243596,1695
ID=NCLIV_049750 + 14 G..ATGG
4273404,4273708,305
4274001,4275132,1132
4275595,4276021,427
4276341,4276402,62
4276797,4276947,151
4277460,4277540,81
4278189,4278385,197
4278538,4278682,145
4278961,4279091,131,EXACT,AG-GT
4279446,4279571,126,EXACT,AG-GT
4280720,4280782,63,EXACT,AG-GT
4281093,4281278,186,EXACT,AG-GT
4281513,4281650,138,EXACT,AG-GT
4283547,4283789,243,START:Ends:4284417-4284367-
ID=NCLIV_049760 + 77 A..ATG
4292689,4292775,87
4293791,4294126,336
4294312,4294560,249
4295310,4295480,171
4296076,4296283,208
4297071,4297323,253
4297880,4297900,21
4298578,4298715,138
4300028,4300305,278
4301001,4301180,180
4301676,4301991,316
4302562,4302685,124
4303323,4303389,67
4304651,4304680,30
4305132,4305262,131
4305605,4305695,91
4306283,4306316,34
4307836,4308000,165
4308233,4308378,146
4308838,4309193,356
4309644,4309877,234
4310372,4310517,146
4311029,4311104,76
4311744,4311909,166
4312712,4313377,666
4314074,4314233,160
4314369,4314574,206
4315939,4316091,153
4316508,4316720,213
4317085,4317357,273
4317896,4318042,147
4318870,4319067,198
4319695,4319807,113
4320029,4320145,117
4320718,4320761,44
4321444,4321585,142
4322121,4322238,118
4322664,4323011,348
4323657,4323880,224
4324303,4324462,160
4324966,4325081,116
4325813,4325964,152
4326361,4326574,214

4326784,4327203,420
 4328065,4328242,178
 4328575,4328620,46
 4329058,4329159,102
 4330195,4330352,158
 4331275,4331436,162
 4331740,4331985,246
 4332327,4332393,67
 4333846,4333954,109
 4334389,4334544,156
 4335066,4335270,205
 4335931,4336090,160
 4336543,4336755,213
 4337471,4337845,375
 4338075,4338224,150
 4338493,4338604,112
 4338815,4338934,120
 4340094,4340144,51
 4340773,4340877,105
 4340999,4341056,58
 4341463,4341590,128
 4342597,4342712,116
 4342942,4343068,127
 4346683,4346853,171
 4347504,4347674,171
 4348301,4348399,99
 4348693,4348835,143
 4349587,4349719,133
 4350014,4350113,100
 4350595,4350604,10
 4352752,4352845,94
 4353362,4353400,39
 4354120,4354233,114
 4355001,4355426,426
 ID=NCLIV_049780 + 9 [CT]..ATG[ACT]
 4370982,4371276,295
 4371587,4371832,246
 4371936,4372184,249
 4372277,4372516,240
 4372996,4374984,1989
 4375205,4375666,462
 4375898,4376368,471
 4377282,4377749,468
 4378046,4378257,212
 ID=NCLIV_049790 + 6 G..ATGG
 4383200,4384397,1198,END:EXACT
 4384893,4385183,291,EXACT,ATG:AG-GT
 4385666,4385829,164,EXACT,AG-GT
 4386846,4386942,97
 4387181,4387267,87,EXACT,AG-GT
 4387761,4387999,239,START:EXACT
 ID=NCLIV_049810 + 3 G..ATGG
 4397543,4397671,129,END:Starts:4395560-4396760-4396816-
 4398073,4398339,267,EXACT,ATG:AG-GT
 4398561,4398728,168,START:Ends:4398770-4399141-4398578-
 ID=NCLIV_049820 + 3 A..ATG
 4404630,4405611,982,END:EXACT
 4405966,4406073,108,EXACT,AG-GT
 4406353,4407647,1295,START:Ends:4408986-4409023-
 ID=NCLIV_049860 + 6 CCGATGG

4440522,4441129,608,OVER:Starts:4439710-4439716-4441367-
4442049,4442675,627,END: start -98 AG-GT
4443159,4443517,359,EXACT,TAG|TGA|TAA:AG-GT
4443736,4443878,143,END: start 36 GT
4444525,4444628,104
4444982,4445216,235
ID=NCLIV_049880 + 2 GAAATGC
4466634,4466894,261
4467283,4467474,192
ID=NCLIV_049900 + 7 A..ATG
4477271,4477372,102,END:Starts:4476796-4476783-4476793-
4478120,4478594,475,EXACT,AG-GT
4478808,4480207,1400,START: end -12 AG
4480516,4480661,146,END: start -2 GT (ref:AG-GT)<< Possible error
4480924,4481056,133,EXACT,AG-GT
4481752,4481939,188,EXACT,AG-GT
4482518,4482569,52,START:Ends:4483709-4483672-4483631-
ID=NCLIV_049920 + 13 A..ATG
4497620,4497739,120
4498225,4498353,129,END: start 25 GT (ref:AG-GT)<< Possible error
4498901,4499614,714,EXACT,AG-GT
4500452,4500589,138,EXACT,AG-GT
4501255,4501357,103,EXACT,AG
4501911,4501953,43
4502206,4502356,151
4502710,4502766,57
4503142,4503430,289,EXACT,GT
4503936,4504066,131,EXACT,AG-GT
4504518,4504736,219,EXACT,AG-GT
4505452,4505859,408,EXACT,AG-GT
4506233,4506475,243,START:Ends:4507097-4507047-4507115-
ID=NCLIV_049945 + 6 GGGATGC
4530582,4530745,164
4531410,4531934,525,END: start -16 GT
4532348,4532414,67,EXACT,AG-GT
4533108,4533194,87,END: start -18 AG
4534049,4534258,210,START: end 25 AG-GC (ref:AG-GT)<< Possible error
4535035,4535226,192,START:Ends:4536098-4535537-4536106-
ID=NCLIV_049970 + 1 A..ATG
4562851,4563507,657
ID=NCLIV_049980 + 1 A..ATG
4565976,4566620,645
ID=NCLIV_050000 + 1 A..ATG
4577817,4579106,1290
ID=NCLIV_050010 + 5 A..ATG
4585698,4587125,1428
4587683,4587840,158,END: start -1141 GT (ref:AG-GT)<< Possible error
4588366,4588663,298,EXACT,AG-GT
4589370,4589636,267,EXACT,AG-GT
4589972,4590532,561,START:Ends:4590904-4591121-
ID=NCLIV_050020 + 11 G..ATGG
4593337,4593719,383
4594203,4594393,191
4594856,4594943,88
4595886,4595973,88
4596734,4596829,96
4597584,4597678,95
4598527,4598884,358
4599454,4599498,45
4600059,4600163,105

4600489,4600644,156
4601120,4601167,48
ID=NCLIV_050040 + 3 A..ATG
4613642,4614060,419,END:Starts:4612324-4613689-
4614564,4614881,318,EXACT,AG
4615357,4616329,973
ID=NCLIV_050060 + 2 A..ATG
4637727,4637802,76,END:Starts:4635583-4637136-4637404-
4638192,4638817,626,START:Ends:4638925-4638998-4638977-
ID=NCLIV_050100 + 1 A..ATG
4649910,4651205,1296
ID=NCLIV_050120 + 3 A..ATG
4656016,4656490,475,END:Starts:4654879-4654875-4654943-
4658907,4659811,905,EXACT,AG-GT
4660268,4660381,114,START:Ends:4661160-4661103-4661278-
ID=NCLIV_050130 + 8 A..ATG
4665618,4665888,271
4666351,4666559,209,END: start 3 GT
4667162,4667236,75,EXACT,AG-GT
4667491,4667558,68,EXACT,AG-GT
4667691,4667796,106,EXACT,AG-GT
4668195,4668321,127,START: end 669 AG-GT
4668909,4668990,82,END: start -714 AG-GT
4669396,4669534,139,START:EXACT
ID=NCLIV_050140 + 6 CGCATGG
4675703,4676981,1279
4677727,4677887,161
4678574,4678923,350
4679339,4679643,305
4679795,4680307,513
4680898,4681352,455
ID=NCLIV_050160 + 1 GCCATGT
4687525,4688013,489
ID=NCLIV_050180 + 18 A..ATG
4695775,4695792,18,END:Starts:4695062-4695028-
4696469,4696563,95,EXACT,AG-GT
4696737,4696946,210,EXACT,AG-GT
4697361,4697967,607,EXACT,AG-GT
4698604,4698825,222,EXACT,AG-GT
4699319,4699480,162,EXACT,AG-GT
4700107,4700169,63,EXACT,AG-GT
4700484,4700560,77,EXACT,AG-GT
4700818,4701130,313,EXACT,AG-GT
4701552,4701608,57,EXACT,AG-GT
4702169,4702430,262,EXACT,AG-GT
4702776,4702869,94,EXACT,AG-GT
4703643,4703766,124,EXACT,AG-GT
4704371,4704562,192,EXACT,AG-GT
4705068,4705230,163,EXACT,AG-GT
4705788,4705862,75,EXACT,AG-GT
4706133,4706191,59,EXACT,AG-GT
4706781,4707071,291,START:Ends:4707663-4707525-4707585-
ID=NCLIV_050190 + 1 A..ATG
4708842,4710119,1278
ID=NCLIV_050210 + 8 A..ATG
4756571,4756661,91,END:EXACT
4757019,4757096,78,END: start -74 AG-GT (ref:AG-GT)<< Possible error
4757363,4757571,209,EXACT,AG-GT
4757863,4758011,149,EXACT,AG-GT
4758315,4758647,333,EXACT,AG-GT

4759121,4759354,234,EXACT,AG-GT
 4759608,4759919,312,EXACT,TAG|TGA|TAA:AG-GT
 4760448,4760892,445,OVER:Ends:4761003-4761869-4761851-
 ID=NCLIV_050220 + 4 A..ATG
 4765262,4769705,4444
 4769954,4770133,180
 4770608,4770793,186
 4771266,4771981,716
 ID=NCLIV_050230 + 2 [CT]..ATG[ACT]
 4774042,4774486,445
 4775031,4776034,1004
 ID=NCLIV_050300 + 11 G..ATGG
 4804483,4804518,36,END:Starts:4803695-4803688-4803694-
 4805276,4805338,63,EXACT,AG-GT
 4805791,4805918,128,START: end -5 AG
 4806133,4806270,138,EXACT,GT
 4806412,4806595,184,EXACT,AG-GT
 4806893,4806962,70,EXACT,AG-GT
 4807558,4807718,161,EXACT,AG-GT
 4808352,4808488,137,EXACT,AG-GT
 4808967,4809192,226,EXACT,AG-GT
 4809353,4809499,147,EXACT,AG-GT
 4810038,4810145,108,START:Ends:4810645-4810089-4810596-
 ID=NCLIV_050310 + 7 A..ATG
 4813510,4813725,216,END:Starts:4812976-4812810-4813042-
 4813817,4813926,110,EXACT,AG-GT
 4814369,4814450,82,EXACT,AG-GT
 4814988,4815196,209,EXACT,TAG|TGA|TAA:AG-GT
 4815673,4815735,63,EXACT,AG-GT
 4816162,4816923,762,EXACT,AG-GT
 4817278,4817701,424,START:Ends:4818328-4818312-4819743-
 ID=NCLIV_050330 + 5 A..ATG
 4828493,4829185,693,END:EXACT
 4829484,4829585,102,START: end 152 AG-GT
 4830091,4830170,80,EXACT,AG-GT
 4830734,4830777,44,START: end -8 AG
 4831455,4831504,50,START:EXACT
 ID=NCLIV_050350 + 1 CTCATGG
 4836816,4838387,1572,WITHIN:EXACT
 ID=NCLIV_050360 + 6 [CT]..ATG[ACT]
 4840105,4840326,222,END:EXACT
 4840603,4840655,53,START: end 166 AG-GT (ref:AG-GT)<< Possible error
 4840774,4840821,48,END: start -171 AG-GT (ref:AG-GT)<< Possible error
 4841097,4841198,102,EXACT,TAG|TGA|TAA:AG-GT
 4841465,4841524,60,EXACT,AG-GT
 4841905,4841956,52,START:Ends:4842684-4842688-4841914-
 ID=NCLIV_050370 + 3 A..ATG
 4843851,4843853,3,END:Starts:4843825-4843644-4843772-
 4844255,4844360,106,EXACT,AG-GT
 4844792,4845771,980,START:Ends:4846090-4846105-4846072-
 ID=NCLIV_050380 + 2 CAGGTGA
 4846780,4846907,128
 4847412,4848366,955
 ID=NCLIV_050410 + 9 A..ATG
 4872083,4872444,362,END:Starts:4871384-4871349-4871638-
 4872938,4873064,127,EXACT,AG-GT
 4873826,4874042,217,START: end 70 AG
 4874558,4874571,14
 4875112,4875165,54,END: start 22 GT (ref:AG-GT)<< Possible error
 4875785,4875845,61,EXACT,AG-GT

4876458,4876546,89,EXACT,AG-GT
 4877052,4877176,125,EXACT,AG-GT
 4877578,4877752,175,START:Ends:4878239-4878250-4878202-
 ID=NCLIV_050430 + 4 G..ATGG
 4883518,4883589,72,END:Starts:4882463-4882457-4882459-
 4884086,4884154,69,START: end 2 AG
 4884486,4884615,130,END: start 10 GT (ref:AG-GT)<< Possible error
 4885181,4885227,47
 ID=NCLIV_050440 + 1 CTCATGG
 4888514,4891267,2754
 ID=NCLIV_050470 + 10 A..ATG
 4916407,4916635,229,END:Starts:4915931-4915941-4915971-
 4917421,4917575,155,EXACT,AG-GT
 4918083,4918174,92,EXACT,AG-GT
 4918599,4918779,181,EXACT,AG-GT
 4919023,4919354,332,EXACT,AG-GT
 4919714,4920020,307,END: start 41 ATG:AG-GT
 4920326,4920367,42,EXACT,Info:AG-GT-ATG:AG-GT-acceptor=GT-
 4920676,4920740,65,EXACT,AG-GT
 4921008,4921110,103,EXACT,AG-GT
 4921460,4921546,87,START:Ends:4923290-4922567-4923257-
 ID=NCLIV_050490 + 8 A..ATG
 4934978,4935092,115
 4935404,4935495,92
 4935819,4936024,206
 4936379,4936705,327,END: start -292 GT
 4937004,4937064,61,EXACT,AG-GT
 4937565,4937668,104,EXACT,ATG:AG-GT
 4937934,4938174,241,EXACT,AG-GT
 4938455,4939654,1200,START:Ends:4939882-4939989-4940015-
 ID=NCLIV_050500 + 7 [CT]..ATG[ACT]
 4943363,4943458,96,END:Starts:4941639-4942136-
 4943644,4943710,67,EXACT,AG-GT
 4944518,4945554,1037,END: start 492 GT
 4946009,4946132,124,START: end -15 AG
 4946256,4946335,80
 4946937,4947018,82,EXACT,AG-GT
 4947329,4947570,242,START:Ends:4947680-4947735-
 ID=NCLIV_050510 + 7 A..ATG
 4951689,4951837,149,END:Starts:4949663-4949845-4949911-
 4952149,4952534,386,EXACT,AG-GT
 4953020,4953554,535,EXACT,AG-GT
 4954128,4954241,114,EXACT,AG-GT
 4954379,4954405,27
 4954525,4954935,411,EXACT,AG-GT
 4955323,4955455,133,START:Ends:4956178-4957633-4957872-
 ID=NCLIV_050520 + 3 A..ATG
 4958990,4959379,390,END:Starts:4958931-4958127-
 4962058,4962125,68,EXACT,AG
 4962594,4963320,727
 ID=NCLIV_050550 + 3 GCAATGT
 4976136,4977092,957
 4977558,4977689,132
 4977885,4978277,393
 ID=NCLIV_050570 + 3 A..ATG
 4988926,4989070,145,END:Starts:4988411-4988212-4988473-
 4989739,4990163,425,EXACT,AG-GT
 4990586,4990948,363,START:Ends:4991364-4991393-4991326-
 ID=NCLIV_050580 + 1 A..ATG
 4993266,4994249,984

ID=NCLIV_050590 + 9 A..ATG
5000196,5000468,273,END:EXACT
5000981,5001085,105,EXACT,AG-GT
5001307,5001420,114,EXACT,AG-GT
5001726,5001792,67,EXACT,AG-GT
5002221,5002364,144,EXACT,AG-GT
5002858,5003012,155,EXACT,AG-GT
5003266,5003670,405,END: start 133 AG-GT
5003879,5004098,220,START: end 847 AG
5004376,5004404,29,OVER:Ends:5004945-5004098-5005001-
ID=NCLIV_050610 + 1 A..ATG
5011250,5019181,7932
ID=NCLIV_050620 + 4 A..ATG
5022603,5022761,159,END:Starts:5022125-5022216-5022253-
5023252,5023581,330,EXACT,AG-GT
5023860,5024294,435,EXACT,AG-GT
5024669,5024932,264,START:Ends:5025615-5025546-5025501-
ID=NCLIV_050650 + 11 G..ATGG
5041774,5041805,32,OVER:Starts:5042345-5040469-
5042345,5042494,150,END: start -1876 GT
5042917,5042986,70,EXACT,AG-GT
5043615,5043738,124,EXACT,AG-GT
5044254,5044321,68,EXACT,AG-GT
5044575,5044816,242,EXACT,AG-GT
5045284,5045400,117,EXACT,AG-GT
5045847,5045956,110,EXACT,AG-GT
5046503,5046754,252,START: end -49 AG-GT
5047716,5047786,71,EXACT,AG-GT
5048174,5048368,195,START:Ends:5050983-5050802-
ID=NCLIV_050670 + 8 A..ATG
5055169,5055237,69,END:Starts:5051210-5051209-
5055358,5055464,107,START: end 783 AG
5056140,5056247,108,EXACT,AG-GT
5056826,5056933,108,EXACT,AG-GT
5057298,5057448,151,EXACT,AG-GT
5057637,5057983,347,EXACT,AG-GT
5058633,5059258,626,EXACT,AG-GT
5059651,5059682,32,START:Ends:5060222-5060337-5069388-
ID=NCLIV_050710 + 8 G..ATGG
5088455,5088995,541
5089117,5089188,72
5089632,5089708,77
5089989,5090159,171,END: start -3 GT (ref:AG-GT)<< Possible error
5090864,5091318,455,EXACT,AG-GT
5091791,5091963,173,EXACT,AG-GT
5092477,5092514,38,EXACT,AG-GT
5093096,5093722,627,START:EXACT
ID=NCLIV_050750 + 8 A..ATG
5116941,5117071,131
5117657,5117837,181
5118187,5118259,73,EXACT,GT
5118703,5118903,201,START: end 478 AG
5119305,5119381,77,END: start 10 GT
5119676,5120000,325,EXACT,AG-GT
5120271,5120371,101,EXACT,AG-GT
5120883,5120909,27,START:Ends:5121962-5121993-5122041-
ID=NCLIV_050760 + 5 G..ATGG
5124958,5126007,1050,OVER:Starts:5123917-5124784-
5126374,5126708,335,START: end -269 AG
5127020,5127603,584,END: start 162 GT

5128093,5129158,1066,EXACT,AG-GT
 5129598,5135001,5404,START:Starts:5129598-
 ID=NCLIV_050770 + 2 G..ATGG
 5138742,5142294,3553,END:Starts:5129598-
 5142990,5146120,3131,START:Ends:5144141-5157926-
 ID=NCLIV_050820 + 3 CAAATGG
 5160904,5161033,130
 5161662,5161724,63,END: start -21 GT
 5162129,5162253,125,START:Ends:5162640-5162646-
 ID=NCLIV_050860 + 9 A..ATG
 5194259,5194278,20,END:Starts:5193471-5193511-5193667-
 5194915,5195012,98,EXACT,AG-GT
 5195308,5195429,122,EXACT,AG-GT
 5195853,5196031,179,EXACT,AG-GT
 5196852,5197002,151,END: start 86 AG-GT (ref:AG-GT)<< Possible error
 5197590,5197836,247,END: start -288 AG-GT
 5198080,5198232,153,EXACT,AG-GT
 5198560,5198633,74,EXACT,AG-GT
 5199248,5199292,45,START:Ends:5201237-5199454-
 ID=NCLIV_050870 + 9 G..ATGG
 5204307,5208097,3791,END:Starts:5201533-5201833-5204367-
 5208613,5208804,192,EXACT,AG-GT
 5208980,5209073,94,EXACT,AG-GT
 5209434,5209577,144,EXACT,AG-GT
 5209992,5210620,629,EXACT,AG-GT
 5210988,5211591,604,EXACT,AG-GT
 5211722,5212684,963,START: end 111 AG-GT
 5212965,5213108,144,EXACT,AG-GT
 5213456,5214547,1092,START:Ends:5215402-5215404-5215367-
 ID=NCLIV_050880 + 1 A..ATG
 5224844,5226598,1755
 ID=NCLIV_050890 + 5 [CT]..ATG[ACT]
 5230586,5230743,158,END:EXACT
 5231102,5231396,295,END: start 27 AG-GT (ref:AG-GT)<< Possible error
 5232080,5232232,153,EXACT,AG-GT
 5232612,5232708,97,EXACT,AG-GT
 5233204,5233667,464,OVER:Ends:5233739-5234155-
 ID=NCLIV_050895 + 1 G..ATGG
 5239095,5244995,5901
 ID=NCLIV_050970 + 5 A..ATG
 5291957,5293990,2034,END:Starts:5291575-5290171-5293618-
 5294357,5297044,2688,END: start 1127 GT
 5297458,5297514,57,EXACT,AG-GT
 5297835,5297952,118,EXACT,AG-GT
 5299003,5300324,1322,START:Ends:5301923-5301569-5303325-
 ID=NCLIV_050990 + 13 A..ATG
 5311352,5311470,119,END:Starts:5310797-5310808-5310820-
 5312109,5312187,79,EXACT,AG-GT
 5312834,5312913,80,EXACT,ATG:AG-GT
 5313640,5313773,134,START: end -80 AG
 5314110,5314191,82,EXACT,AG-GT
 5314290,5314427,138,EXACT,AG-GT
 5314724,5314772,49,EXACT,AG-GT
 5315364,5315498,135,EXACT,AG-GT
 5315955,5316014,60,START: end 431 AG
 5316866,5316925,60
 5317678,5317740,63
 5318231,5318327,97,END: start -113 GT (ref:AG-GT)<< Possible error
 5318837,5318904,68,START:Ends:5319629-5319995-5319513-
 ID=NCLIV_051000 + 5 G..ATGG

5321908,5322046,139
 5322946,5323049,104,OVER: start -611 and end 1294 GT
 5323303,5323534,232,OVER: start -968 and end 809 GT
 5324033,5324343,311,END: start -1698 GT
 5324670,5324807,138,START:EXACT
 ID=NCLIV_051030 + 7 CGCATGG
 5347804,5347908,105
 5348205,5348311,107
 5348969,5349153,185
 5349298,5349349,52
 5349550,5349664,115
 5350268,5350565,298
 5350779,5351602,824
 ID=NCLIV_051050 + 3 GGAATGC
 5355019,5355201,183
 5355425,5355515,91,EXACT,GT
 5355741,5356036,296,START:Ends:5357491-5356435-5356334-
 ID=NCLIV_051080 + 4 A..ATG
 5365236,5366780,1545,END:Starts:5364312-5364525-5365668-
 5367172,5368135,964,START: end 286 AG
 5368617,5368845,229
 5369392,5369488,97
 ID=NCLIV_051090 + 13 A..ATG
 5372470,5372715,246
 5373199,5373258,60
 5373692,5373999,308
 5374265,5374315,51
 5374423,5374603,181
 5374895,5375114,220,EXACT,GT
 5375393,5375943,551,START: end -17 AG
 5376229,5376362,134
 5376625,5376684,60
 5376941,5377204,264
 5377656,5377788,133
 5378198,5378355,158
 5378611,5378848,238
 ID=NCLIV_051095 + 2 [CT]..ATG[ACT]
 5381287,5381640,354
 5382176,5382367,192
 ID=NCLIV_051110 + 4 A..ATG
 5389301,5389539,239,END:EXACT
 5389723,5389870,148,EXACT,AG-GT
 5390294,5390503,210,EXACT,AG-GT
 5390874,5391059,186,START:Ends:5391521-5391522-5391497-
 ID=NCLIV_051130 + 7 A..ATG
 5394728,5394877,150,END:Starts:5393774-5393781-5393790-
 5395446,5395550,105,EXACT,AG-GT
 5395752,5395832,81,EXACT,AG-GT
 5396079,5396187,109,EXACT,AG-GT
 5396612,5396691,80,EXACT,AG-GT
 5397073,5397168,96,EXACT,AG-GT
 5397441,5397518,78,START:Ends:5397841-5399522-5398308-
 ID=NCLIV_051140 + 6 [CT]..ATG[ACT]
 5402145,5402163,19,OVER:Starts:5402969-5401744-5400205-
 5403052,5408762,5711,END: start -1308 AG-GT (ref:AG-GT)<< Possible error
 5409150,5409251,102,EXACT,AG-GT
 5409991,5410165,175,EXACT,AG-GT
 5410928,5411054,127,EXACT,AG-GT
 5411463,5411604,142,START:Ends:5412184-5412390-5412320-
 ID=NCLIV_051170 + 8 A..ATG

5442737,5442854,118
 5443401,5445898,2498
 5446289,5446715,427
 5446781,5446873,93
 5447277,5447938,662
 5448295,5455675,7381
 5457517,5457624,108
 5458348,5458493,146
 ID=NCLIV_051180 + 5 A..ATG
 5460452,5460866,415
 5461528,5461694,167
 5462241,5462332,92
 5462776,5462958,183
 5463623,5464343,721
 ID=NCLIV_051210 + 10 A..ATG
 5477602,5477882,281,END:Starts:5475905-5475691-5475910-
 5478412,5478525,114,EXACT,AG-GT
 5478805,5478863,59,EXACT,AG-GT
 5479367,5479540,174,EXACT,AG-GT
 5479844,5480077,234,END: start 102 AG-GT
 5480350,5480423,74,EXACT,AG-GT
 5480676,5480859,184,EXACT,AG-GT
 5481427,5481657,231,START: end -2 AG
 5482004,5482125,122,END: start -24 GT (ref:AG-GT)<< Possible error
 5482635,5482742,108,START:Ends:5487306-5485393-5483173-
 ID=NCLIV_051240 + 10 GCCATGC
 5501057,5502880,1824,END:Starts:5500461-5500427-5500598-
 5503395,5503481,87,EXACT,AG-GT
 5504003,5504123,121,EXACT,TAG|TGA|TAA:AG-GT
 5504648,5504752,105,EXACT,AG-GT
 5505545,5505619,75,EXACT,AG-GT
 5506298,5506482,185,EXACT,AG-GT
 5506932,5507043,112,EXACT,AG-GT
 5507672,5507797,126,EXACT,AG-GT
 5508426,5508518,93,EXACT,AG-GT
 5508867,5509126,260
 ID=NCLIV_051270 + 14 CAGATGG
 5531187,5531258,72,OVER:Starts:5530026-5530349-5531266-
 5532348,5532502,155,END: start -1999 GT (ref:AG-GT)<< Possible error
 5533182,5533425,244,EXACT,AG-GT
 5534291,5534444,154,START: end 4 AG-GT
 5534668,5534778,111,EXACT,AG-GT
 5535321,5535431,111,END: start 43 GT
 5536239,5536320,82,EXACT,AG-GT
 5536979,5537130,152,EXACT,AG-GT
 5537596,5537723,128,START: end 91 AG
 5538239,5538309,71,END: start 13 GT (ref:AG-GT)<< Possible error
 5538789,5538897,109,EXACT,AG-GT
 5539459,5539689,231,EXACT,AG-GT
 5540156,5540341,186,EXACT,ATG:AG-GT
 5540736,5540909,174,START:Ends:5542027-5541706-5541731-
 ID=NCLIV_051330 + 3 A..ATG
 5586930,5587523,594
 5588299,5588844,546
 5589321,5590934,1614
 ID=NCLIV_051340 + 1 CAGCTTT
 5593322,5594197,876,OVER:Starts:5593064-5593069-5596832-
 ID=NCLIV_051350 + 14 G..ATGG
 5596428,5597273,846,END:Starts:5593064-5593069-5596832-
 5597957,5599386,1430,EXACT,AG-GT

5600046,5600499,454,EXACT,AG-GT
 5600772,5600975,204,EXACT,AG-GT
 5601249,5601417,169,EXACT,AG-GT
 5601803,5602447,645,EXACT,AG-GT
 5602655,5603047,393,EXACT,AG-GT
 5603344,5603465,122,EXACT,AG-GT
 5603836,5603992,157,EXACT,AG-GT
 5604442,5605073,632,EXACT,AG-GT
 5605496,5605648,153,EXACT,AG-GT
 5606231,5606329,99,EXACT,AG-GT
 5606673,5606801,129,EXACT,AG-GT
 5607180,5607308,129,START:Ends:5611488-5611462-5611470-
 ID=NCLIV_051360 + 7 G..ATGG
 5612591,5613259,669,END:Starts:5611525-5611598-5612684-
 5613855,5614194,340,EXACT,AG-GT
 5614459,5614519,61,EXACT,AG-GT
 5614884,5614965,82,EXACT,AG-GT
 5615229,5615315,87,EXACT,AG-GT
 5615537,5615710,174,START: end -14 AG
 5616031,5616117,87
 ID=NCLIV_051370 + 1 GCGATGA
 5620159,5623326,3168
 ID=NCLIV_051380 + 1 A..ATG
 5626758,5631593,4836
 ID=NCLIV_051390 + 3 A..ATG
 5636651,5636695,45,END:Starts:5636358-5636475-5636378-
 5637527,5637604,78,EXACT,AG-GT
 5638355,5644438,6084,START:Ends:5644637-5641362-5649056-
 ID=NCLIV_051410 + 5 GCCATGA
 5655409,5656046,638
 5656539,5656670,132,END: start 26 GT
 5657405,5657710,306,START: end -28 AG
 5658193,5658318,126,EXACT,GT
 5659291,5659435,145,START:Ends:5659771-5659788-
 ID=NCLIV_051420 + 12 A..ATG
 5663426,5663529,104,END:Starts:5661484-5662202-5662797-
 5663951,5664061,111,EXACT,AG-GT
 5664450,5664528,79,EXACT,AG-GT
 5664918,5665053,136,EXACT,AG-GT
 5665488,5665579,92,EXACT,AG-GT
 5666001,5666236,236,EXACT,AG-GT
 5666588,5666797,210,EXACT,AG-GT
 5667245,5667516,272,START: end -165 AG-GT (ref:AG-GT)<< Possible error
 5667766,5668007,242,EXACT,ATG:AG-GT
 5668347,5668518,172,EXACT,AG-GT
 5668925,5669065,141,EXACT,AG-GT
 5669262,5669695,434,START:Ends:5670755-5670805-5672419-
 ID=NCLIV_051460 + 3 A..ATG
 5695803,5695851,49,END:Starts:5695391-5695373-5695385-
 5696322,5696408,87,EXACT,AG-GT
 5696667,5696869,203,START:Ends:5697235-5697307-5697240-
 ID=NCLIV_051470 + 23 GAGATGA
 5699864,5700500,637,END:Starts:5699166-5699213-
 5701089,5701336,248,START: end -29 AG
 5701943,5702101,159,END: start 43 GT
 5702541,5702675,135,EXACT,AG-GT
 5703138,5703319,182,EXACT,AG-GT
 5703864,5704465,602,END: start 441 GT
 5705001,5705584,584,EXACT,AG-GT
 5705943,5706242,300,START: end -272 AG

5706789,5706920,132
5707248,5707438,191,END: start 13 GT
5707585,5708225,641,START: end -15 AG
5708552,5709078,527
5710239,5710304,66,EXACT,AG-GT
5710861,5711123,263,START: end 630 AG-GT
5711356,5711753,398,END: start -495 AG-GT
5712393,5712786,394,EXACT,AG-GT
5713030,5713149,120,EXACT,AG-GT
5713638,5714898,1261,EXACT,AG
5715271,5715378,108,START: end 382 AG
5715530,5715760,231,END: start -26 GT
5715923,5716102,180,EXACT,AG-GT
5716844,5718135,1292,EXACT,AG-GT
5718507,5718678,172,START:Ends:5718987-5718831-5720295-
ID=NCLIV_051480 + 24 A..ATG
5721958,5722348,391
5722522,5722742,221
5723271,5723360,90
5723731,5724790,1060,EXACT,GT
5725360,5725646,287,EXACT,AG-GT
5725929,5726087,159,START: end -122 AG
5726480,5726565,86,END: start 14 GT
5726920,5727166,247,START: end -3 AG
5727705,5728061,357,END: start 1 GT
5728477,5728650,174,EXACT,AG-GT
5728980,5729403,424,EXACT,AG-GT
5729747,5730988,1242,END: start 156 GT
5731327,5731690,364,EXACT,AG-GT
5732447,5732693,247,EXACT,AG-GT
5733037,5733218,182,EXACT,AG-GT
5733483,5733776,294,EXACT,AG
5734338,5734455,118,EXACT,AG-GT
5735071,5735360,290,START: end -6 AG
5735543,5736027,485,END: start -3 GT
5736352,5736575,224,EXACT,AG-GT
5737016,5737363,348,EXACT,AG-GT
5737965,5738288,324,EXACT,AG-GT
5738937,5739054,118,EXACT,AG-GT
5739502,5741099,1598,START:Ends:5741564-5741673-
ID=NCLIV_051490 + 2 GGAATGT
5744215,5744297,83,END:Starts:5743878-5743880-5743927-
5744851,5745010,160,START:Ends:5747851-5745620-5745647-
ID=NCLIV_051500 + 18 A..ATG
5747637,5747851,215,END:Starts:5747158-5744851-
5748402,5748779,378,START: end -3 AG
5749123,5749513,391,END: start 26 GT
5749874,5750175,302,START: end -175 AG
5750799,5751155,357
5751750,5751981,232,END: start 53 GT
5752458,5753156,699,EXACT,AG-GT
5753557,5753769,213,EXACT,AG-GT
5754441,5754627,187,END: start -6 GT
5755446,5755635,190,EXACT,AG-GT
5756153,5756363,211,START: end 226 AG
5756945,5757142,198
5757525,5757865,341,END: start 184 GT
5758314,5758827,514,EXACT,AG-GT
5759758,5759848,91,EXACT,AG-GT
5760377,5760512,136,EXACT,AG

5760697,5760856,160
 5761285,5761389,105
 ID=NCLIV_051520 + 5 [CT]..ATG[ACT]
 5776874,5777994,1121,END:Starts:5776261-5776266-
 5778379,5778885,507,EXACT,AG-GT
 5779293,5779375,83,START: end -1 AG
 5779871,5780057,187
 5780322,5780430,109,START:Ends:5781324-5781471-
 ID=NCLIV_051530 + 4 [CT]..ATG[ACT]
 5783021,5783269,249,END:Starts:5782359-5782769-5782457-
 5783680,5783737,58,EXACT,AG-GT
 5783869,5784228,360,EXACT,AG-GT
 5784517,5784626,110,START:Ends:5784734-5784774-5784984-
 ID=NCLIV_051540 + 21 TCAATGG
 5787346,5787708,363
 5788047,5788188,142
 5789132,5789655,524
 5790379,5790602,224
 5791494,5791590,97
 5791868,5792066,199
 5792779,5793601,823
 5794103,5794318,216
 5794691,5794942,252,EXACT,GT
 5795230,5795280,51,EXACT,AG-GT
 5795752,5795830,79,END: start 9 GT
 5796212,5796288,77,EXACT,AG-GT
 5796949,5797095,147,EXACT,AG-GT
 5797729,5797915,187,EXACT,AG-GT
 5798230,5798334,105,EXACT,AG-GT
 5798875,5799156,282,START: end 67 AG
 5799505,5799685,181,END: start -2 GT
 5799985,5800341,357,EXACT,ATG:AG-GT
 5800729,5802447,1719,EXACT,AG-GT
 5802789,5803307,519,EXACT,TAG|TGA|TAA:AG-GT
 5804219,5804304,86,OVER:Ends:5805351-5805414-
 ID=NCLIV_051560 + 1 A..ATG
 5809988,5811450,1463,OVER:Ends:5812827-5811451-5813315-
 ID=NCLIV_051561 + 1 NNNCGGG
 5811551,5811658,108,OVER:Ends:5812827-5811451-5813315-
 ID=NCLIV_051580 + 5 A..ATG
 5815945,5816080,136
 5816590,5816605,16
 5817187,5817262,76,END: start -201 GT (ref:AG-GT)<< Possible error
 5817749,5818159,411,EXACT,AG-GT
 5818519,5818854,336,START:Ends:5819610-5819741-
 ID=NCLIV_051590 + 7 A..ATG
 5821468,5821517,50,END:Starts:5821181-5821005-5821154-
 5822092,5822234,143,EXACT,AG-GT
 5822574,5822746,173,EXACT,AG-GT
 5823316,5823559,244,EXACT,AG-GT
 5823870,5824232,363,EXACT,AG-GT
 5824825,5824969,145,EXACT,AG-GT
 5825310,5825382,73,START:Ends:5825617-5825735-5825629-
 ID=NCLIV_051620 + 6 A..ATG
 5839762,5839904,143,END:Starts:5837151-5837673-5837260-
 5840313,5840405,93,START: end 300 AG-GT (ref:AG-GT)<< Possible error
 5841310,5841473,164,START: end 1217 AG-GT (ref:AG-GT)<< Possible error
 5842395,5842690,296,END: start -1085 AG-GT (ref:AG-GT)<< Possible error
 5843046,5843168,123,EXACT,AG-GT
 5843278,5843511,234,START:Ends:5844113-5844342-5844413-

ID=NCLIV_051640 + 4 A..ATG
5854676,5854764,89,END:Starts:5853541-5854050-
5854971,5855083,113,EXACT,AG
5855765,5855911,147
5856064,5856170,107

ID=NCLIV_051660 + 4 [CT]..ATG[ACT]
5868420,5868928,509,END:Ends:5868925-5868928-
5869658,5869770,113,END: start -9 AG-GT (ref:AG-GT)<< Possible error
5870313,5870423,111,END: start -4 AG-GT (ref:TC-GT)<< Possible error
5870684,5871165,482,START:Ends:5871696-5871682-5871721-

ID=NCLIV_051720 + 3 A..ATG
5918595,5918655,61
5918889,5920520,1632
5920740,5920939,200

ID=NCLIV_051740 + 7 A..ATG
5936910,5937023,114,END:Starts:5936194-5934928-5936223-
5937589,5937727,139,EXACT,AG-GT
5938125,5938181,57,EXACT,AG-GT
5938566,5938813,248,EXACT,AG-GT
5939174,5939419,246,EXACT,AG-GT
5939817,5939891,75,EXACT,AG-GT
5940477,5941082,606,START:EXACT

ID=NCLIV_051770 + 9 A..ATG
5985550,5985929,380,END:EXACT
5986739,5987151,413,EXACT,AG-GT
5987578,5987675,98,EXACT,AG-GT
5988279,5988453,175
5988581,5988681,101,EXACT,AG-GT
5989122,5989184,63,START: end -13 AG
5990193,5990267,75,EXACT,AG-GT
5991000,5991139,140,EXACT,AG-GT
5991387,5991486,100,START:Ends:5992000-5991954-5992001-

ID=NCLIV_051790 + 2 TCTATGG
6003787,6007560,3774
6007627,6008715,1089

ID=NCLIV_051810 + 5 GCCATGA
6022448,6022672,225,END:Starts:6021812-6021863-6022276-
6023189,6023524,336,START: end 54 AG-GC
6024040,6024141,102,EXACT,AG-GT
6024961,6025116,156,EXACT,AG-GT
6025500,6025745,246,START:Ends:6025903-6025884-6025882-

ID=NCLIV_051820 + 6 A..ATG
6028922,6028935,14,END:EXACT
6030193,6030265,73,EXACT,AG-GT
6030831,6030926,96,EXACT,AG-GT
6031282,6031421,140,EXACT,AG-GT
6031676,6031832,157,EXACT,AG-GT
6032337,6032465,129,START:Ends:6032647-6032642-6032641-

ID=NCLIV_051840 + 2 A..ATG
6037686,6038148,463,END:Starts:6037421-6037243-6037433-
6038850,6039256,407,START:Ends:6039828-6039818-6039834-

ID=NCLIV_051860 + 2 A..ATG
6047497,6047934,438,END:Starts:6046926-6046885-6046957-
6048634,6049119,486,START:EXACT

ID=NCLIV_051870 + 3 A..ATG
6052872,6053679,808,OVER:Starts:6054220-6052473-
6054225,6054460,236,END: start -1752 GT
6055069,6055449,381,START:Ends:6056154-6056460-

ID=NCLIV_051880 + 10 G..ATGG
6058117,6058854,738

6059597,6060061,465
6060742,6061017,276
6061463,6061717,255,END: start -96 GT
6062842,6063885,1044,START: end -583 AG
6064393,6064584,192
6065133,6065521,389,END: start 19 GT (ref:AG-GT)<< Possible error
6065970,6066843,874,EXACT,AG-GT
6067326,6067610,285,EXACT,AG-GT
6068144,6068227,84,START:Ends:6069939-6068233-6069223-
ID=NCLIV_051890 + 1 TCCATGG
6077237,6083242,6006,OVER:Ends:6082683-6086406-
ID=NCLIV_051910 + 2 G..ATGG
6096900,6098320,1421,END:EXACT
6098675,6098747,73,START:EXACT
ID=NCLIV_051930 + 5 A..ATG
6112638,6115629,2992
6116188,6116519,332
6116765,6117144,380,EXACT,AG-GT
6117777,6119850,2074,EXACT,AG-GT
6120618,6121748,1131,START:Ends:6122303-6124185-6120636-
ID=NCLIV_051950 + 16 A..ATG
6128302,6129063,762,END:Starts:6127482-6127504-
6129742,6130160,419,EXACT,AG
6130639,6130713,75
6131165,6131220,56,END: start 18 GT (ref:AG-GT)<< Possible error
6131864,6131934,71,EXACT,AG-GT
6132669,6132729,61,EXACT,ATG:AG-GT
6132949,6133211,263,EXACT,AG-GT
6134000,6134063,64,EXACT,AG-GT
6134647,6134721,75,START: end -19 AG-GT
6135086,6135148,63,EXACT,AG-GT
6135559,6135600,42,EXACT,AG-GT
6136146,6136215,70,START: end 169 AG
6136985,6137089,105,END: start -96 GT (ref:AG-GT)<< Possible error
6137575,6137647,73,EXACT,AG-GT
6138062,6138143,82,EXACT,AG-GT
6138487,6138713,227,START:EXACT
ID=NCLIV_051970 + 4 A..ATG
6141663,6141738,76,END:EXACT
6142021,6142089,69,EXACT,AG-GT
6142714,6143095,382,EXACT,AG-GT
6143398,6143602,205,START:Ends:6143912-6143937-6143442-
ID=NCLIV_051980 + 2 A..ATG
6147567,6147648,82,END:Starts:6145289-6145812-6146685-
6148586,6149118,533,START:Ends:6149633-6149971-6149785-
ID=NCLIV_051990 + 6 G..ATGG
6153257,6159319,6063,END:Starts:6150309-6151452-6151456-
6159583,6159768,186,EXACT,AG-GT
6159957,6160100,144,START: end 158 AG
6160445,6160507,63,END: start 13 GT
6161045,6161137,93,EXACT,AG-GT
6161431,6166245,4815,START:Ends:6167409-6161729-6169238-
ID=NCLIV_052000 + 17 A..ATG
6170058,6170060,3,END:EXACT
6170907,6170985,79,EXACT,AG-GT
6171324,6171513,190,EXACT,AG-GT
6171972,6172195,224,EXACT,AG-GT
6172368,6172507,140,START: end -16 AG
6172649,6172862,214
6173226,6173613,388

6174089,6174768,680
 6175274,6175391,118
 6175806,6176023,218
 6176198,6176292,95
 6176740,6176927,188
 6177466,6177616,151
 6177856,6177989,134,END: start -104 GT
 6178438,6178618,181,EXACT,AG-GT
 6178792,6178878,87,EXACT,AG-GT
 6179363,6179437,75,START:Ends:6180357-6182679-6190781-
 ID=NCLIV_052030 + 5 [CT]..ATG[ACT]
 6211087,6211544,458,END:Starts:6209838-6207914-
 6212270,6212925,656,EXACT,AG-GT
 6213444,6213651,208,EXACT,AG-GT
 6213986,6214066,81,EXACT,AG-GT
 6214252,6215083,832,START:Ends:6215643-6215781-
 ID=NCLIV_052050 + 7 A..ATG
 6223214,6227012,3799,END:Starts:6225116-6226135-
 6227577,6227750,174,EXACT,AG-GT
 6228246,6229156,911,EXACT,AG-GT
 6229761,6230102,342,EXACT,AG-GT
 6230617,6230759,143,EXACT,AG-GT
 6231046,6231157,112,EXACT,AG-GT
 6231566,6231658,93,START:EXACT
 ID=NCLIV_052100 + 9 CCAATGG
 6277223,6277228,6
 6277729,6277873,145
 6278137,6278240,104
 6279223,6279331,109
 6279432,6279511,80
 6279994,6280046,53
 6280531,6280611,81
 6281019,6281096,78,END: start -166 GT
 6281510,6281576,67,START:Ends:6281656-6281654-
 ID=NCLIV_052120 + 6 A..ATG
 6294665,6294733,69,END:Starts:6293661-6293778-6293798-
 6295364,6295491,128,EXACT,AG-GT
 6296094,6296169,76,START: end 28 AG
 6296382,6296453,72,END: start -11 GT (ref:AG-GT)<< Possible error
 6296660,6296693,34,EXACT,AG-GT
 6296996,6297093,98,START:Ends:6297709-6297599-6297923-
 ID=NCLIV_052130 + 2 [CT]..ATG[ACT]
 6298354,6298429,76
 6298703,6299646,944
 ID=NCLIV_052150 + 2 A..ATG
 6315637,6315705,69,END:Starts:6313502-6313624-6313646-
 6316154,6316714,561,START:Ends:6318408-6318541-6318208-
 ID=NCLIV_052170 + 17 [CT]..ATG[ACT]
 6332592,6332811,220
 6333143,6333243,101
 6333504,6333890,387
 6334401,6334558,158
 6334937,6335206,270
 6335358,6335508,151
 6335804,6335872,69
 6336213,6336693,481
 6336919,6337111,193
 6339110,6339472,363
 6339927,6340119,193
 6340382,6340612,231

6341079,6341424,346
 6341795,6341841,47
 6342274,6342407,134
 6343004,6343132,129
 6343591,6343984,394
 ID=NCLIV_052190 + 2 [CT]..ATG[ACT]
 6351926,6352478,553,END:Starts:6351747-6351150-6351758-
 6353055,6353809,755,START:Ends:6354741-6354779-6354730-
 ID=NCLIV_052210 + 3 A..ATG
 6364876,6365127,252,END:Starts:6363132-6364364-6364469-
 6365309,6365444,136,EXACT,AG-GT
 6365670,6365944,275,START:EXACT
 ID=NCLIV_052230 + 8 [CT]..ATG[ACT]
 6395326,6395371,46,OVER:Starts:6394666-6394602-6394683-
 6395764,6395963,200,END: start -1098 GT (ref:AG-GT)<< Possible error
 6396113,6396257,145,START: end 1 AG
 6396529,6396743,215,END: start 9 GT (ref:AG-GT)<< Possible error
 6397104,6397261,158,START: end 639 AG-GT
 6397826,6397900,75,END: start -722 AG-GT
 6398031,6398086,56,EXACT,AG-GT
 6398265,6398389,125,START:Ends:6398936-6398948-6398876-
 ID=NCLIV_052240 + 8 A..ATG
 6401724,6401800,77,END:EXACT
 6402225,6402532,308,EXACT,AG-GT
 6402887,6403050,164,EXACT,AG-GT
 6403436,6403602,167,EXACT,AG-GT
 6404118,6404195,78,EXACT,AG-GT
 6404505,6404558,54
 6404803,6404990,188,EXACT,AG-GT
 6405437,6405753,317,START:Ends:6406546-6406367-6405477-
 ID=NCLIV_052250 + 5 A..ATG
 6408018,6409195,1178,END:Starts:6407335-6407580-6407706-
 6409523,6409596,74,EXACT,AG-GT
 6410234,6410292,59,EXACT,AG-GT
 6410424,6410435,12,START: end 650 AG
 6410687,6410767,81,OVER:Ends:6410925-6411085-6411130-
 ID=NCLIV_052280 + 1 G..ATGG
 6449303,6450403,1101
 ID=NCLIV_052290 + 4 CACATGG
 6455461,6455862,402
 6456317,6456845,529
 6457262,6458431,1170
 6458752,6458927,176
 ID=NCLIV_052320 + 1 A..ATG
 6467522,6468631,1110
 ID=NCLIV_052330 + 1 [CT]..ATG[ACT]
 6470468,6471130,663
 ID=NCLIV_052370 + 4 A..ATG
 6493589,6493619,31,END:Starts:6492670-6492311-
 6494167,6494421,255,EXACT,AG
 6494855,6494974,120
 6495364,6496133,770
 ID=NCLIV_052390 + 3 A..ATG
 6500171,6500175,5,END:Starts:6499994-6500009-6500004-
 6500882,6500982,101,EXACT,AG-GT
 6501535,6502082,548,START:EXACT
 ID=NCLIV_052410 + 2 A..ATG
 6507309,6508492,1184,END:Starts:6506606-6506580-6506637-
 6508690,6509143,454,START:EXACT
 ID=NCLIV_052420 + 5 CAGGCCG

6511541,6511793,253
 6512491,6512871,381
 6513407,6514026,620
 6514297,6514368,72
 6515115,6515387,273,START:Starts:6515794-6515115-
 ID=NCLIV_052450 + 1 A..ATG
 6531302,6531739,438,OVER:Ends:6531803-6531968-6532582-
 ID=NCLIV_052480 + 1 A..ATG
 6544778,6547738,2961
 ID=NCLIV_052520 + 1 G..ATGG
 6570855,6576290,5436
 ID=NCLIV_052540 + 4 A..ATG
 6588435,6588498,64
 6589201,6589582,382
 6590077,6590292,216
 6590440,6591190,751
 ID=NCLIV_052570 + 7 A..ATG
 6608262,6608460,199
 6609030,6609792,763
 6610402,6611204,803
 6611510,6612205,696
 6612445,6612554,110
 6612899,6613324,426,END: start 364 GT
 6614032,6614334,303,START:Ends:6615090-6616407-
 ID=NCLIV_052590 + 17 [CT]..ATG[ACT]
 6630686,6630696,11
 6631062,6631324,263
 6631622,6631725,104,END: start 29 GT
 6631980,6632047,68
 6632697,6632952,256,EXACT,AG-GT
 6633148,6633251,104,EXACT,AG-GT
 6633744,6633846,103,EXACT,AG-GT
 6634477,6634527,51,EXACT,AG-GT
 6636093,6636361,269,EXACT,AG-GT
 6636815,6636913,99,EXACT,AG-GT
 6637466,6637538,73,EXACT,AG-GT
 6638241,6638363,123,EXACT,AG-GT
 6638781,6638882,102,EXACT,AG-GT
 6639390,6639473,84,EXACT,AG-GT
 6639924,6640484,561
 6641090,6641198,109,EXACT,AG-GT
 6641529,6641626,98,START:Ends:6642395-6642163-6642346-
 ID=NCLIV_052600 + 6 A..ATG
 6645716,6645949,234,END:Starts:6644943-6644941-6644978-
 6646391,6646523,133,EXACT,AG-GT
 6646891,6646955,65,START: end 54 AG-GC (ref:AG-GT)<< Possible error
 6647428,6647475,48,EXACT,AG-GT
 6648016,6648186,171,EXACT,AG-GT
 6648523,6649488,966,START:Ends:6650441-6650407-
 ID=NCLIV_052620 + 3 CCGATGG
 6661466,6662053,588
 6662880,6663439,560
 6663807,6664740,934
 ID=NCLIV_052780 + 19 TTCATGG
 6719487,6719579,93,END:EXACT
 6720468,6720540,73,EXACT,AG-GT
 6721006,6721047,42,EXACT,AG-GT
 6722186,6722406,221,END: start 27 AG-GT
 6722737,6723006,270,EXACT,AG-GT
 6723408,6723501,94,EXACT,AG-GT

6723915,6724180,266,END: start -75 AG-GT (ref:AG-GT)<< Possible error
6724752,6724878,127,EXACT,AG-GT
6725254,6725327,74,EXACT,AG-GT
6725680,6725835,156,EXACT,AG-GT
6726313,6726434,122,EXACT,AG-GT
6727019,6727103,85,EXACT,AG-GT
6727533,6727780,248,EXACT,AG-GT
6728218,6728408,191,START: end -77 AG
6728660,6728746,87,END: start -5 GT
6729079,6729327,249,EXACT,AG-GT
6729676,6729743,68,EXACT,AG-GT
6730289,6730403,115
6730546,6730679,134,START:Ends:6731287-6731642-6731546-
ID=NCLIV_052790 + 3 GCCATGT
6741786,6743782,1997,END:Starts:6740996-6740991-
6744292,6744411,120,EXACT,AG-GT
6744665,6745358,694,START:Ends:6746397-6746706-6746445-
ID=NCLIV_052850 + 6 G..ATGG
6767984,6768066,83
6768933,6768991,59
6769118,6769224,107
6769913,6772426,2514
6772975,6779724,6750
6780387,6784088,3702
ID=NCLIV_052870 + 17 A..ATG
6800665,6801906,1242
6802358,6802534,177
6802921,6803166,246
6803485,6803576,92
6804264,6804432,169
6804910,6805022,113
6805120,6805282,163
6805499,6805637,139
6806217,6806380,164
6806897,6807646,750,END: start -659 GT
6807923,6808624,702,START: end 193 AG
6809140,6809850,711
6810140,6810769,630
6810891,6811461,571
6811874,6811983,110
6812516,6814261,1746
6814806,6814820,15
ID=NCLIV_052900 + 1 A..ATG
6827729,6828688,960
ID=NCLIV_052930 + 2 [CT]..ATG[ACT]
6864078,6864619,542
6864953,6865397,445
ID=NCLIV_052940 + 2 A..ATG
6868143,6868704,562
6869025,6869482,458
ID=NCLIV_052950 + 2 A..ATG
6871338,6871908,571
6872219,6872748,530
ID=NCLIV_052960 + 12 CCCATGG
6879241,6880600,1360
6881438,6881551,114
6881741,6881790,50
6882200,6882336,137
6882918,6882983,66
6883525,6883608,84

6883962,6884013,52
 6884460,6884531,72
 6884819,6884898,80
 6885692,6885948,257,EXACT,AG-GT
 6886172,6886245,74,START: end 5599 AG
 6886762,6887319,558,OVER:Ends:6891965-6891839-6891844-
 ID=NCLIV_053000 + 11 [CT]..ATG[ACT]
 6904717,6904768,52
 6904962,6905130,169
 6905158,6907267,2110
 6907671,6908450,780,EXACT,GT
 6908781,6909064,284,EXACT,AG-GT
 6909409,6909544,136,START: end -8 AG
 6910213,6910254,42,END: start 1 GT
 6910502,6910750,249,EXACT,AG-GT
 6911174,6911244,71,EXACT,AG-GT
 6911482,6911541,60,EXACT,AG
 6912252,6912369,118
 ID=NCLIV_053020 + 3 GCCATGC
 6925132,6925382,251
 6926497,6933683,7187
 6933958,6937088,3131
 ID=NCLIV_053040 + 3 A..ATG
 6943471,6943728,258,END:Starts:6942454-6943089-6942998-
 6944608,6944793,186,EXACT,AG-GT
 6945459,6945548,90,START:Ends:6945475-6945503-6946003-
 ID=NCLIV_053050 + 6 [CT]..ATG[ACT]
 6948238,6948813,576
 6949179,6949617,439
 6949964,6950115,152
 6950535,6950711,177
 6951441,6951620,180
 6952196,6955630,3435
 ID=NCLIV_053080 + 1 A..ATG
 6971920,6972252,333
 ID=NCLIV_053110 + 2 A..ATG
 6979655,6979792,138,END:EXACT
 6980203,6980391,189,START:Ends:6981226-6981165-6981116-

CHROMOSOME X – REVERSE

ID=NCLIV_044840 - 9 A..ATG
 35727,36062,336,END:Starts:35621-35583-35561-
 36497,36573,77,EXACT,AG-GT
 36947,37223,277,EXACT,AG-GT
 37621,37758,138,EXACT,AG-GT
 38239,38246,8
 38820,39015,196,EXACT,AG-GT
 39573,39698,126,EXACT,AG-GT
 40107,40173,67,EXACT,AG-GT
 40851,41068,218,START:EXACT
 ID=NCLIV_044850 - 1 A..ATG
 44588,45931,1344
 ID=NCLIV_044860 - 11 CGTATGG
 51782,52812,1031,END:Starts:49318-49847-49276-
 53201,53396,196,EXACT,AG-GT
 53675,53819,145,EXACT,AG-GT
 54150,54338,189,EXACT,AG-GT
 54552,54664,113,EXACT,AG-GT
 54960,55214,255,EXACT,AG-GT

55578,55730,153,EXACT,AG-GT
 56032,58192,2161,EXACT,AG-GT
 58728,58885,158,EXACT,AG-GT
 59250,61216,1967,EXACT,AG-GT
 61647,61905,259,START:Ends:64407-67137-
 ID=NCLIV_044870 - 5 G..ATGG
 66932,67003,72,OVER:Ends:64407-67137-
 67392,67528,137,EXACT,AG-GT
 67763,67916,154,EXACT,AG-GT
 68392,71127,2736,EXACT,AG-GT
 71859,72143,285,START:Ends:72835-72243-72922-
 ID=NCLIV_044890 - 1 G..ATGG
 76889,80803,3915
 ID=NCLIV_044910 - 7 GAGATGC
 112489,112757,269
 113126,113224,99
 113761,114046,286
 114486,114644,159
 115101,115150,50
 115673,115752,80
 115990,116546,557
 ID=NCLIV_044920 - 5 A..ATG
 119748,122656,2909
 123021,123146,126,END: start 1 AG
 123486,124632,1147,EXACT,AG-GT
 124867,126800,1934,START: end 1015 GT
 127014,127920,907
 ID=NCLIV_044930 - 14 A..ATG
 132078,132452,375,END:Starts:131792-131804-131786-
 132792,132855,64,EXACT,AG-GT
 133435,133520,86,EXACT,AG-GT
 134162,134596,435,EXACT,AG-GT
 135016,135120,105,EXACT,AG-GT
 135380,136069,690,EXACT,AG-GT
 136681,138780,2100,EXACT,AG-GT
 139119,139238,120,EXACT,AG-GT
 139500,139745,246,START: end 127 AG-GT
 139980,140054,75,EXACT,AG-GT
 140556,144262,3707,START: end 231 GT
 144705,144951,247,EXACT,AG
 145222,145368,147,EXACT,AG-GT
 145747,148491,2745,START:Ends:149644-149569-149646-
 ID=NCLIV_044960 - 5 A..ATG
 155328,155476,149
 155534,155705,172
 155767,155831,65
 155888,155998,111
 156057,156168,112
 ID=NCLIV_044970 - 3 [CT]..ATG[ACT]
 157907,158100,194
 158244,158446,203
 158891,159144,254
 ID=NCLIV_045000 - 8 A..ATG
 172144,172365,222,END:Starts:169289-170372-170378-
 172974,173059,86,EXACT,AG-GT
 173520,173587,68,EXACT,AG-GT
 173881,174115,235,EXACT,AG-GT
 174345,174379,35,START: end 543 AG-GT (ref:AC-GT)<< Possible error
 174747,174922,176,END: start -402 AG-GT (ref:AC-GT)<< Possible error
 175232,175381,150,START: end 3 GT

175736,175990,255,START:Ends:176683-176813-
ID=NCLIV_045020 - 12 A..ATG
180967,181506,540,END:Starts:180750-180680-180693-
181782,181851,70,EXACT,AG-GT
182672,183012,341,EXACT,AG-GT
183501,183621,121,EXACT,AG-GT
183891,184528,638,EXACT,AG-GT
184905,184999,95,EXACT,AG-GT
186841,187126,286
187535,187662,128
187941,187992,52
188456,188950,495
189427,189624,198
190140,190544,405
ID=NCLIV_045060 - 15 A..ATG
212108,212656,549,END:Starts:211902-211837-211847-
212953,213021,69,EXACT,AG-GT
213481,213549,69,EXACT,AG-GT
213833,214001,169,EXACT,AG-GT
214238,214352,115,EXACT,AG-GT
214576,214683,108,EXACT,TAG|TGA|TAA:AG-GT
215111,215222,112,EXACT,AG-GT
215385,215437,53,EXACT,AG-GT
215786,215840,55,EXACT,AG-GT
216523,216575,53,EXACT,AG-GT
216888,216972,85,EXACT,AG-GT
217185,217304,120,EXACT,AG-GT
218188,218293,106,EXACT,AG-GT
218746,218797,52,START: end 1 GT
219214,219322,109,START:Ends:220542-219217-
ID=NCLIV_045130 - 15 TGGATGG
283911,284101,191,OVER:Starts:283313-283396-283321-
284816,284904,89,EXACT,AG-GT
285651,285691,41,START: end 127 GT
286197,286240,44
286770,286913,144
287111,287694,584
288215,288347,133
289387,289504,118
289630,289803,174,END: start 1 AG
290303,290366,64,EXACT,AG-GT
290517,290586,70,START: end 220 GT
290897,292130,1234
292967,293029,63
293534,293696,163
294168,294613,446
ID=NCLIV_045150 - 4 A..ATG
302354,302726,373
303163,303221,59
303447,303503,57
304259,304324,66
ID=NCLIV_045160 - 9 A..ATG
306858,306971,114,END:Starts:305869-306553-306632-
307464,307499,36,EXACT,AG-GT
307822,307883,62,EXACT,AG-GT
308284,308314,31,END: start 8 AG (ref:AC-GT)<< Possible error
308653,308745,93,EXACT,AG-GT
309193,309239,47,EXACT,AG-GT
310080,310169,90,EXACT,AG-GT
310720,310890,171,EXACT,AG-GT

311193,311217,25,START:Ends:311675-311674-311767-
 ID=NCLIV_045170 - 1 G..ATGG
 313719,314537,819
 ID=NCLIV_045220 - 10 A..ATG
 362666,362781,116,END:Starts:362597-362598-362479-
 363286,363357,72,EXACT,AG-GT
 363968,364060,93,EXACT,AG-GT
 364703,364811,109,EXACT,AG-GT
 365562,365680,119,EXACT,AG-GT
 366352,366455,104,EXACT,AG-GT
 367108,367361,254,EXACT,AG-GT
 367958,368052,95,EXACT,AG-GT
 368508,368627,120,EXACT,AG-GT
 369277,369391,115,START:Ends:369961-370068-369962-
 ID=NCLIV_045230 - 4 GCGATGT
 373057,373486,430,END:Starts:371473-371480-371464-
 373709,373769,61,EXACT,AG-GT
 374052,374194,143,EXACT,AG-GT
 374452,375335,884,START:Ends:377364-377163-377183-
 ID=NCLIV_045250 - 9 [CT]..ATG[ACT]
 384781,384861,81,END:Starts:383912-382565-
 385179,385280,102,EXACT,AG-GT
 385705,385870,166,EXACT,AG-GT
 386272,386550,279,EXACT,AG-GT
 386870,386963,94,EXACT,AG-GT
 387343,387523,181,EXACT,AG-GT
 387947,388095,149,EXACT,AG-GT
 388467,388537,71,START: end -30 GT
 388677,388687,11
 ID=NCLIV_045260 - 2 A..ATG
 402486,402836,351,END:EXACT
 403534,404940,1407,START:Ends:406607-405764-406602-
 ID=NCLIV_045270 - 3 GGGATGT
 409475,412773,3299
 413298,413547,250
 414040,415278,1239
 ID=NCLIV_045310 - 2 G..ATGG
 457495,457593,99,END:Starts:456783-456774-456776-
 458222,458455,234,START:Ends:458651-458641-458686-
 ID=NCLIV_045320 - 13 A..ATG
 460639,461346,708
 461832,462344,513,END: start 7 AG (ref:AC-GT)<< Possible error
 462705,463186,482,EXACT,AG-GT
 463724,464204,481,EXACT,AG-GT
 464832,465054,223,EXACT,AG-GT
 465450,465580,131,EXACT,AG-GT
 465957,466160,204,EXACT,AG-GT
 466667,466974,308,EXACT,AG-GT
 467348,467587,240,EXACT,AG-GT
 467741,467981,241,EXACT,AG-GT
 468192,468464,273,EXACT,AG-GT
 468932,469058,127,EXACT,ATG:AG-GT
 469415,469440,26,START:Ends:469967-469959-
 ID=NCLIV_045350 - 1 [CT]..ATG[ACT]
 519870,522872,3003
 ID=NCLIV_045360 - 1 A..ATG
 524988,526838,1851
 ID=NCLIV_045370 - 1 A..ATG
 530411,533041,2631
 ID=NCLIV_045380 - 1 A..ATG

535160,538546,3387
ID=NCLIV_045440 - 4 A..ATG
569629,570263,635,END:Starts:569012-569216-569176-
570749,570917,169,EXACT,GT
571122,571343,222
571497,571892,396
ID=NCLIV_045470 - 6 A..ATG
592853,596127,3275
596437,596564,128,END: start 115 Code:INTERNAL-
597103,597431,329
597552,597710,159
598054,598245,192
598506,598958,453
ID=NCLIV_045480 - 3 G..ATGG
602821,602920,100,END:EXACT
603410,603494,85,EXACT,AG-GT
604169,604247,79,START:EXACT
ID=NCLIV_045500 - 1 G..ATGG
609939,614450,4512
ID=NCLIV_045510 - 1 A..ATG
618846,619637,792
ID=NCLIV_045530 - 3 A..ATG
626391,626469,79,END:Starts:625996-626008-625991-
626809,626912,104,EXACT,AG-GT
627323,627454,132,START:Ends:628110-628108-628296-
ID=NCLIV_045550 - 6 A..ATG
634103,634200,98,OVER:Starts:633060-632884-632784-
635129,635442,314,END: start -2245 AG (ref:AC-GT)<< Possible error
635815,635958,144,EXACT,AG-GT
636346,636466,121,EXACT,AG-GT
636769,636949,181,EXACT,GT
637363,638319,957
ID=NCLIV_045570 - 6 [CT]..ATG[ACT]
649827,649868,42,END:Starts:648642-648544-648539-
650430,650659,230,EXACT,AG-GT
650937,651048,112,EXACT,AG-GT
651347,651437,91,EXACT,AG-GT
651713,651797,85,EXACT,AG-GT
652189,653503,1315,START:Ends:654237-653951-670510-
ID=NCLIV_045590 - 11 A..ATG
671582,671652,71,END:Starts:671037-671075-671039-
672091,672235,145,EXACT,AG-GT
672693,672952,260,EXACT,AG-GT
673366,673468,103,EXACT,AG-GT
674060,674494,435,EXACT,AG-GT
674939,675106,168,EXACT,AG-GT
675468,675602,135,EXACT,AG-GT
676389,676461,73,START: end -19 GT
676822,677006,185
677301,677513,213,END: start 24 AG (ref:AC-GT)<< Possible error
677643,679652,2010,START:Ends:680529-682366-
ID=NCLIV_045600 - 11 GCCATGC
682431,682523,93,END:EXACT
682992,683081,90,EXACT,AG-GT
683845,683964,120,WITHIN: start 17 and end -16 AG-GT (ref:TG-CA)<< Possible error
684765,685006,242,END: start -9 AG-GT (ref:AA-TT)<< Possible error
685602,685696,95,END: start -42 AG-GC (ref:AC-GT)<< Possible error
686108,686227,120,EXACT,AG-GT
686633,686700,68,START: end 5 AG-GT (ref:AC-GT)<< Possible error
687114,687245,132,END: start 5 AG-GT (ref:AC-GT)<< Possible error

687447,687571,125,START: end -48 AG-GT
 688299,688415,117,START: end -7 GT
 688939,689086,148
 ID=NCLIV_045630 - 3 A..ATG
 720466,721293,828,END:Starts:719476-719421-719492-
 721569,721844,276,EXACT,AG-GT
 722843,723019,177,START:EXACT
 ID=NCLIV_045640 - 1 G..ATGG
 726993,727601,609
 ID=NCLIV_045650 - 2 A..ATG
 729889,730372,484,END:Starts:729559-728547-729550-
 730613,730764,152,START:Ends:730958-731018-730956-
 ID=NCLIV_045670 - 3 A..ATG
 755072,755213,142,END:Starts:754830-754826-754814-
 756079,756182,104,EXACT,AG-GT
 756987,757145,159,START:Ends:757260-757258-757256-
 ID=NCLIV_045690 - 6 A..ATG
 762861,763139,279,END:EXACT
 763519,763665,147,EXACT,AG-GT
 764201,764338,138,EXACT,AG-GT
 764714,764778,65,EXACT,AG-GT
 765075,765713,639,EXACT,TAG|TGA|TAA:AG-GT
 766180,766408,229,START:EXACT
 ID=NCLIV_045700 - 6 G..ATGG
 770777,771049,273
 771402,771548,147
 771925,772062,138
 772258,772322,65
 772937,773563,627,END: start 12 AG
 774276,774621,346,START:Ends:775688-774605-
 ID=NCLIV_045740 - 7 A..ATG
 809572,809662,91,END:Starts:807892-805807-807896-
 810110,810307,198,EXACT,AG-GT
 810681,811020,340,EXACT,AG-GT
 811407,811629,223,EXACT,AG-GT
 811831,811994,164,START: end 1714 GT
 812209,812351,143,OVER: start -378 and end 1357 GT
 813032,813057,26,OVER:Ends:813748-813708-
 ID=NCLIV_045760 - 4 A..ATG
 820816,821767,952
 822481,823099,619,END: start 591 AG
 823607,823739,133,EXACT,GT
 824195,824650,456
 ID=NCLIV_045770 - 3 A..ATG
 827904,828001,98,END:Starts:824195-827076-827125-
 828407,829018,612,EXACT,AG-GT
 829442,832010,2569,START:Ends:832705-831278-832759-
 ID=NCLIV_045790 - 10 GACATGC
 839111,839343,233,END:EXACT
 839899,840004,106,START: end 17 GT
 840463,840867,405
 841379,842455,1077
 842853,843033,181
 843487,844156,670
 844593,845223,631
 845899,846018,120
 846431,846529,99
 847169,847432,264
 ID=NCLIV_045800 - 6 A..ATG
 852596,852626,31

853306,853819,514,END: start -292 AG (ref:AC-GT)<< Possible error
854110,854191,82,EXACT,AG-GT
854504,854877,374,EXACT,AG-GT
855201,855311,111,EXACT,AG-GT
856008,856092,85,START:Ends:856195-856196-
ID=NCLIV_045820 - 1 CAGATGG
876305,876799,495
ID=NCLIV_045830 - 8 GAAATGA
879275,880577,1303
881011,881184,174
881727,881945,219
883308,883348,41
883875,883997,123
884345,884443,99
884811,885456,646
885859,885998,140
ID=NCLIV_045860 - 3 G..ATGG
902597,903603,1007,END:Starts:898916-892690-
903924,904119,196,EXACT,AG-GT
904931,905080,150,START:Ends:905498-905127-
ID=NCLIV_045870 - 1 A..ATG
907544,908167,624,OVER:Starts:908641-905676-
ID=NCLIV_045890 - 8 A..ATG
914279,914411,133,END:Starts:908641-905676-
915134,915248,115,EXACT,AG-GT
915884,916034,151,EXACT,AG-GT
916207,916519,313,EXACT,AG-GT
916963,917083,121,EXACT,GT
918199,918340,142
918623,918834,212
919260,919635,376
ID=NCLIV_045910 - 7 CCCATGG
927245,927305,61,END:Starts:925765-922669-
927890,928171,282,EXACT,AG-GT
928626,929013,388,EXACT,AG-GT
929485,929605,121,EXACT,GT
929727,929864,138
930668,931326,659
932172,933591,1420
ID=NCLIV_045940 - 9 GTGATGA
945679,945842,164
946232,946319,88
946839,946952,114
947695,947885,191
948198,948311,114
948980,949165,186
949628,949813,186
950286,950472,187
950998,951198,201
ID=NCLIV_045950 - 3 G..ATGG
954082,956290,2209
957458,957504,47
957970,958113,144
ID=NCLIV_045970 - 1 GGCATGC
972638,974656,2019
ID=NCLIV_045990 - 7 [CT]..ATG[ACT]
982347,982437,91,END:Starts:978811-979545-981237-
983001,983059,59,EXACT,AG-GT
983227,983418,192,START: end 46 AG-GT
983718,983804,87,EXACT,AG-GT

984455,984692,238,EXACT,AG-GT
 985175,985261,87,EXACT,AG-GT
 985502,985635,134,START:Ends:986574-986769-987788-
 ID=NCLIV_046020 - 1 A..ATG
 1010389,1012362,1974
 ID=NCLIV_046030 - 8 A..ATG
 1019846,1019878,33,END:Starts:1019516-1019511-1019509-
 1020442,1020600,159,EXACT,AG-GT
 1020916,1020987,72,EXACT,AG-GT
 1021125,1021219,95,EXACT,AG-GT
 1021663,1021796,134,EXACT,AG-GT
 1022083,1022155,73,EXACT,AG-GT
 1022558,1022656,99,EXACT,AG-GT
 1023411,1023423,13,START:Ends:1024088-1024098-1024138-
 ID=NCLIV_046040 - 4 A..ATG
 1026353,1026443,91,END:Starts:1026136-1026127-1026134-
 1027217,1027497,281,EXACT,AG-GT
 1028187,1028279,93,EXACT,AG-GT
 1029143,1029163,21,START:Ends:1029343-1029318-1029310-
 ID=NCLIV_046050 - 18 A..ATG
 1032383,1032877,495,END:Starts:1031193-1031989-1031952-
 1033090,1033173,84,EXACT,AG-GT
 1033644,1033892,249,EXACT,AG-GT
 1034281,1034373,93,EXACT,AG-GT
 1034774,1034934,161,EXACT,AG-GT
 1035279,1035374,96,EXACT,AG-GT
 1035659,1035899,241,EXACT,AG-GT
 1036239,1036829,591,EXACT,AG-GT
 1037106,1037291,186,EXACT,AG-GT
 1037629,1037823,195,EXACT,AG-GT
 1038317,1038472,156,EXACT,AG-GT
 1038953,1039092,140,EXACT,AG-GT
 1039686,1039781,96,EXACT,AG-GT
 1039926,1040079,154,EXACT,AG-GT
 1040678,1040947,270,EXACT,AG-GT
 1041419,1041640,222,EXACT,AG-GT
 1042022,1042123,102,EXACT,AG-GT
 1042585,1042734,150,START:EXACT
 ID=NCLIV_046070 - 2 [CT]..ATG[ACT]
 1053906,1056409,2504
 1056549,1056831,283
 ID=NCLIV_046080 - 3 A..ATG
 1060817,1061028,212,END:Starts:1058006-1059957-1058051-
 1061496,1063255,1760,EXACT,GT
 1063565,1064769,1205,START:Ends:1065083-1064119-
 ID=NCLIV_046100 - 19 A..ATG
 1073493,1073631,139,END:Starts:1072699-1072858-1072998-
 1074030,1074253,224,EXACT,AG-GT
 1074693,1074857,165,EXACT,AG-GT
 1075465,1075697,233,EXACT,AG-GT
 1075787,1075925,139,EXACT,AG-GT
 1076364,1076528,165,EXACT,AG-GT
 1076797,1076952,156,EXACT,AG-GT
 1077280,1077412,133,EXACT,AG-GT
 1077833,1078998,1166,START: end 1 GT
 1079234,1079445,212,END: start 68 AG
 1079851,1080907,1057,START: end -686 GT
 1081210,1081339,130,EXACT,AG-GT
 1081653,1082074,422
 1082777,1083098,322

1083617,1083892,276
1084475,1084570,96
1085018,1085219,202
1085595,1085747,153
1086030,1086189,160
ID=NCLIV_046110 - 3 A..ATG
1091053,1091972,920,END:Starts:1090217-1090455-1090290-
1093249,1093396,148,EXACT,TAG|TGA|TAA:AG-GT
1094131,1095438,1308,START:Ends:1096170-1095824-
ID=NCLIV_046130 - 12 GCCATGC
1110870,1110898,29,END:Starts:1109818-1109729-1109759-
1111168,1111235,68,EXACT,AG-GT
1111778,1111840,63,EXACT,AG-GT
1112258,1112325,68,EXACT,AG-GT
1112802,1112963,162,EXACT,AG-GT
1113381,1113455,75,EXACT,AG-GT
1113991,1114209,219,EXACT,AG-GT
1114726,1114998,273,EXACT,AG-GT
1115989,1116116,128
1116996,1117056,61
1117374,1117514,141
1118240,1118338,99
ID=NCLIV_046140 - 1 A..ATG
1121504,1122145,642
ID=NCLIV_046170 - 1 A..ATG
1142122,1144977,2856,OVER:Starts:1141577-1141595-1141552-
ID=NCLIV_046200 - 1 A..ATG
1184981,1188940,3960
ID=NCLIV_046230 - 7 A..ATG
1203794,1205323,1530
1206076,1206339,264
1206766,1208151,1386
1208790,1209234,445
1210270,1211156,887
1211800,1213248,1449
1214327,1217050,2724
ID=NCLIV_046260 - 9 A..ATG
1231501,1231837,337,END:Starts:1227332-1230746-1227558-
1232172,1232374,203,EXACT,AG-GT
1233093,1233293,201,EXACT,AG-GT
1233420,1233591,172,EXACT,AG-GT
1234014,1234880,867,EXACT,AG-GT
1235249,1235908,660,EXACT,AG-GT
1236346,1236450,105,EXACT,AG-GT
1236810,1236894,85,START: end -17 GT
1237435,1237765,331
ID=NCLIV_046280 - 7 A..ATG
1246276,1246498,223,END:Starts:1245194-1245411-1245351-
1246861,1247043,183,EXACT,AG-GT
1247723,1247811,89,EXACT,AG-GT
1248280,1248345,66,EXACT,AG-GT
1248997,1249129,133,EXACT,AG-GT
1249314,1249378,65,EXACT,AG-GT
1249618,1249764,147,START:Ends:1251258-1251046-
ID=NCLIV_046290 - 2 A..ATG
1253485,1253616,132,END:Starts:1252723-1252872-1252778-
1254339,1254563,225,START:EXACT
ID=NCLIV_046320 - 8 A..ATG
1271502,1271634,133,END:Starts:1270675-1270749-1270650-
1272115,1272383,269,EXACT,AG-GT

1272578,1272745,168,EXACT,AG-GT
1273022,1273115,94,EXACT,AG-GT
1273686,1273724,39,EXACT,AG-GT
1273865,1274055,191,EXACT,AG-GT
1274406,1274692,287,EXACT,AG-GT
1275024,1276611,1588,START:Ends:1278234-1277780-1278330-
ID=NCLIV_046330 - 1 GAGATGA
1279999,1281141,1143
ID=NCLIV_046350 - 4 A..ATG
1303652,1303732,81,END:Starts:1302730-1302820-1303393-
1304008,1304126,119,EXACT,AG-GT
1304598,1304647,50,EXACT,AG-GT
1305264,1305385,122,START:EXACT
ID=NCLIV_046370 - 8 CAGATGG
1328348,1328551,204
1329300,1329503,204
1329999,1330273,275
1331009,1331165,157
1331766,1331835,70
1332620,1332774,155
1333702,1334112,411
1334725,1334874,150
ID=NCLIV_046400 - 11 A..ATG
1348117,1348154,38
1349912,1349974,63,EXACT,AG-GT
1350296,1350364,69,EXACT,AG-GT
1350623,1350695,73,EXACT,AG-GT
1350827,1351000,174,EXACT,AG-GT
1351492,1351673,182,EXACT,AG-GT
1352039,1352196,158,START: end -81 AG-GT (ref:AC-GT)<< Possible error
1352494,1352554,61,EXACT,AG-GT
1352935,1353010,76,EXACT,AG-GT
1353436,1353476,41,EXACT,AG-GT
1354050,1354269,220,START:EXACT
ID=NCLIV_046410 - 3 A..ATG
1357224,1357459,236,END:EXACT
1357932,1358036,105,EXACT,AG-GT
1358712,1358790,79,START:Ends:1358917-1358872-1358885-
ID=NCLIV_046430 - 8 G..ATGG
1369572,1370260,689,END:Starts:1368781-1368788-1368756-
1370556,1370681,126,EXACT,AG-GT
1370809,1370887,79,EXACT,ATG:AG-GT
1371307,1371383,77,EXACT,AG-GT
1371708,1371911,204,START: end -7 GT
1372111,1372222,112,END: start -5 AG (ref:AC-GT)<< Possible error
1372405,1372529,125,EXACT,AG-GT
1372628,1372709,82,START:Ends:1373630-1373574-1373622-
ID=NCLIV_046450 - 14 A..ATG
1386494,1386614,121,END:Starts:1386103-1386192-1386215-
1387024,1387105,82,EXACT,AG-GT
1387547,1387625,79,EXACT,AG-GT
1387809,1387967,159,EXACT,AG-GT
1388414,1388575,162,EXACT,AG-GT
1388883,1388972,90,EXACT,AG-GT
1389339,1389461,123,EXACT,AG-GT
1389787,1389970,184,EXACT,AG-GT
1390066,1390281,216,EXACT,AG-GT
1390638,1390807,170,EXACT,AG-GT
1391232,1391308,77,EXACT,AG-GT
1391660,1391825,166,EXACT,AG-GT

1392374,1392457,84,EXACT,GT
 1392814,1395654,2841
 ID=NCLIV_046470 - 2 A..ATG
 1404100,1404516,417
 1404783,1404881,99
 ID=NCLIV_046500 - 6 [CT]..ATG[ACT]
 1443383,1443478,96,END:EXACT
 1444202,1444426,225,START: end 113 GT
 1444665,1444698,34,END: start -5 AG
 1445091,1445275,185,START: end 11 AG-GT (ref:AC-GT)<< Possible error
 1445822,1446394,573,START: end -8 GT
 1446936,1447139,204
 ID=NCLIV_046510 - 1 GAAATGA
 1449690,1451240,1551
 ID=NCLIV_046530 - 1 A..ATG
 1466361,1466954,594
 ID=NCLIV_046550 - 3 A..ATG
 1477676,1477870,195,END:Starts:1475623-1476300-1476298-
 1478133,1478377,245,EXACT,AG-GT
 1479130,1479418,289,START:Ends:1479613-1480003-1479592-
 ID=NCLIV_046560 - 4 [CT]..ATG[ACT]
 1481538,1482071,534,END:EXACT
 1482567,1482684,118,START: end 50 AG-GT
 1483118,1483378,261,START: end -43 AG-GT
 1483931,1484238,308,START:Ends:1485680-1485716-
 ID=NCLIV_046600 - 3 [CT]..ATG[ACT]
 1510529,1510988,460,END:Starts:1510010-1510035-1510083-
 1511728,1516567,4840,START: end -2024 GT
 1517392,1517437,46
 ID=NCLIV_046630 - 2 A..ATG
 1548353,1550622,2270
 1551177,1551288,112
 ID=NCLIV_046640 - 3 G..ATGG
 1554562,1554691,130
 1555277,1556046,770
 1556544,1556720,177
 ID=NCLIV_046650 - 2 TGCATGG
 1559014,1559591,578
 1560226,1560727,502,OVER:Ends:1565138-1561399-
 ID=NCLIV_046660 - 2 A..ATG
 1566928,1567557,630,END:Starts:1566518-1565346-
 1568586,1568804,219,START:Ends:1570532-1569435-
 ID=NCLIV_046700 - 2 A..ATG
 1594442,1594653,212,END:Starts:1593836-1593804-1593758-
 1595304,1595400,97,START:EXACT
 ID=NCLIV_046740 - 9 GCCATGT
 1622551,1622662,112
 1623009,1623241,233
 1623780,1623848,69
 1624398,1624633,236
 1625508,1625677,170
 1625802,1625911,110
 1627341,1627735,395
 1628259,1629038,780
 1629850,1629988,139
 ID=NCLIV_046760 - 14 G..ATGG
 1638940,1639699,760,END:Starts:1638106-1638120-1638910-
 1640061,1640155,95,EXACT,AG-GT
 1640379,1640437,59,EXACT,AG-GT
 1640952,1641135,184,EXACT,GT

1641407,1641959,553,START: end -427 GT
1642451,1643454,1004
1645883,1645966,84,END: start -537 Info:donor=TT-AG-GT-AG-GC- (ref:AC-GT)<< Possible error
1646285,1646386,102,EXACT,AG-GT
1646860,1647232,373,EXACT,AG-GT
1647677,1647936,260,EXACT,AG-GT
1648438,1648626,189,EXACT,AG-GT
1648853,1648903,51,EXACT,AG-GT
1649154,1649261,108,EXACT,AG-GT
1650306,1650308,3,START:EXACT
ID=NCLIV_046780 - 5 A..ATG
1661159,1661693,535,END:Starts:1658166-1660449-1658027-
1661821,1661921,101,EXACT,AG-GT
1662042,1662246,205,EXACT,AG-GT
1662370,1662466,97,EXACT,AG-GT
1662610,1663720,1111,START:Ends:1666930-1664578-
ID=NCLIV_046810 - 9 A..ATG
1678416,1678655,240,END:Starts:1678597-1678351-1678360-
1678775,1679018,244,EXACT,AG-GT
1679116,1679288,173,EXACT,AG-GT
1679504,1679729,226,EXACT,AG-GT
1679977,1680257,281,EXACT,AG-GT
1680471,1680646,176,EXACT,AG-GT
1680815,1680967,153,EXACT,AG-GT
1681257,1681427,171,START: end 5 GT
1682271,1682376,106,START:Starts:1682271-1681257-
ID=NCLIV_046830 - 4 A..ATG
1687154,1687193,40,END:Starts:1687030-1687026-1686957-
1687677,1687838,162,EXACT,AG-GT
1688185,1688392,208,END: start 63 AG-GC (ref:AC-GT)<< Possible error
1689010,1689208,199,START:Ends:1689612-1689722-1689613-
ID=NCLIV_046850 - 6 [CT]..ATG[ACT]
1696257,1696886,630,END:Starts:1695022-1695887-1695897-
1697391,1697952,562,EXACT,AG-GT
1698546,1698613,68,EXACT,AG-GT
1699052,1699077,26,START: end 1039 Info:AG-GC-AG-GT-
1699620,1700116,497,END: start -568 Info:AG-GC-AG-GT-
1700313,1703857,3545,START:Ends:1705892-1703587-
ID=NCLIV_046860 - 1 A..ATG
1704191,1704688,498
ID=NCLIV_046870 - 4 A..ATG
1709326,1715972,6647
1716179,1716471,293
1716727,1721016,4290
1721752,1721807,56
ID=NCLIV_046890 - 3 G..ATGG
1735315,1735485,171,END:Starts:1735038-1735018-1735001-
1735837,1736001,165,EXACT,AG-GT
1736257,1737012,756,START:Ends:1737310-1737286-1736921-
ID=NCLIV_046910 - 3 CTGATGG
1745844,1746235,392,END:EXACT
1746919,1748176,1258,START: end 1900 AG-GT
1748500,1749948,1449,OVER:EXACT
ID=NCLIV_046940 - 3 A..ATG
1770146,1775194,5049,END:Starts:1774696-1761215-
1775824,1776947,1124,START: end 1043 GT
1777485,1777563,79,OVER:Ends:1776062-1777990-
ID=NCLIV_046970 - 5 A..ATG
1802813,1803160,348,END:Starts:1792796-1802487-1802434-
1803374,1805803,2430,EXACT,AG-GT

1806268,1806369,102,EXACT,ATG:AG-GT
 1807203,1807624,422,START: end 2614 GT
 1808059,1808080,22,OVER:Ends:1809313-1810238-
 ID=NCLIV_047010 - 1 TTGATGG
 1837455,1838954,1500
 ID=NCLIV_047030 - 4 [CT]..ATG[ACT]
 1845620,1845936,317,END:Starts:1844301-1845019-
 1846095,1846281,187,START: end 347 GT
 1846921,1847192,272,END: start -187 AG (ref:AC-GT)<< Possible error
 1847559,1847913,355,START:Starts:1847559-
 ID=NCLIV_047050 - 3 A..ATG
 1857241,1858172,932,END:Starts:1847559-
 1858746,1859018,273,EXACT,AG-GT
 1859743,1860004,262,START:Ends:1861427-1859909-1861188-
 ID=NCLIV_047060 - 12 G..ATGG
 1863167,1863550,384,OVER:Starts:1862597-1862497-1862411-
 1864334,1867044,2711,START: end 3948 GT
 1867732,1868130,399,OVER: start -3398 and end 2862 GT
 1868467,1869362,896,OVER: start -4133 and end 1630 GT
 1870092,1870172,81,OVER: start -5758 and end 820 GT
 1870457,1870587,131,OVER: start -6123 and end 405 GT
 1870907,1870991,85,OVER: start -6573 and end 1 GT
 1871516,1871622,107
 1872027,1872172,146
 1872751,1872857,107
 1873180,1873346,167
 1873619,1873795,177
 ID=NCLIV_047080 - 4 A..ATG
 1919724,1919819,96,END:Starts:1919476-1919498-1919493-
 1920297,1920383,87,EXACT,AG-GT
 1920926,1921034,109,EXACT,AG-GT
 1921607,1921701,95,START:Ends:1922156-1923748-
 ID=NCLIV_047100 - 4 GAGATGT
 1926017,1926111,95,END:Starts:1925111-1924514-1924963-
 1926714,1926786,73,EXACT,AG-GT
 1927116,1927294,179,EXACT,AG-GT
 1927917,1928289,373,START:EXACT
 ID=NCLIV_047120 - 5 [CT]..ATG[ACT]
 1947853,1948050,198
 1948453,1948497,45
 1950488,1950559,72
 1951247,1951334,88
 1951722,1951957,236
 ID=NCLIV_047140 - 1 [CT]..ATG[ACT]
 1962036,1964225,2190
 ID=NCLIV_047150 - 9 G..ATGG
 1965624,1966665,1042,END:Starts:1964987-1965025-1964628-
 1967042,1967175,134,EXACT,AG-GT
 1967375,1967452,78,EXACT,AG-GT
 1968017,1968088,72,EXACT,AG-GT
 1968408,1968916,509,EXACT,AG-GT
 1969488,1970367,880,OVER: start -187 and end 2 GT
 1970703,1970782,80,END: start 2 AG (ref:AC-GT)<< Possible error
 1970994,1971039,46,EXACT,AG-GT
 1971453,1971680,228,START:EXACT
 ID=NCLIV_047170 - 4 A..ATG
 1984236,1985023,788,END:Starts:1982828-1983351-1982768-
 1985423,1985911,489,EXACT,AG-GT
 1986143,1986388,246,EXACT,AG-GT
 1986836,1986938,103,START:Ends:1987305-1987244-1987281-

ID=NCLIV_047180 - 8 A..ATG
 1990589,1990789,201,END:EXACT
 1990984,1991048,65,EXACT,GT
 1991216,1991303,88,END: start -60 AG
 1992057,1992175,119,EXACT,AG-GT
 1992799,1993210,412,EXACT,AG-GT
 1993644,1994452,809,START: end -369 GT
 1994906,1995100,195
 1995764,1996028,265
 ID=NCLIV_047200 - 1 A..ATG
 2010485,2012530,2046
 ID=NCLIV_047230 - 5 GGGATGT
 2027617,2027634,18,OVER:Starts:2027256-2027217-2027211-
 2027748,2028262,515,END: start -531 AG (ref:AC-GT)<< Possible error
 2028625,2028745,121,EXACT,AG-GT
 2029183,2029427,245,START: end -28 GT
 2030037,2030595,559
 ID=NCLIV_047250 - 8 A..ATG
 2036729,2036818,90
 2036876,2036965,90
 2037021,2037049,29
 2037109,2037150,42
 2037212,2037238,27
 2037301,2037318,18
 2037385,2037453,69
 2037514,2037727,214
 ID=NCLIV_047270 - 1 G..ATGG
 2046975,2051954,4980,OVER:Starts:2050084-2046508-
 ID=NCLIV_047280 - 5 A..ATG
 2055935,2056029,95,END:Starts:2054610-2054604-2054583-
 2056336,2056435,100,EXACT,AG-GT
 2057060,2057235,176,EXACT,AG-GT
 2057898,2058613,716,EXACT,AG-GT
 2059116,2059366,251
 ID=NCLIV_047300 - 9 A..ATG
 2063573,2063761,189,END:Starts:2062842-2062801-2062796-
 2064132,2064201,70,EXACT,AG-GT
 2064930,2065003,74,EXACT,AG-GT
 2065530,2065612,83,END: start -24 AG-GT
 2066176,2066359,184,START: end 4 GT
 2066544,2066614,71,END: start 1 AG
 2067056,2067322,267,START: end 401 GT
 2067703,2067739,37
 2068711,2068743,33
 ID=NCLIV_047320 - 5 TAAATGG
 2075908,2076666,759
 2077133,2078437,1305
 2078755,2078891,137
 2079419,2079709,291
 2080307,2080454,148
 ID=NCLIV_047340 - 2 A..ATG
 2092405,2093293,889
 2093980,2094011,32
 ID=NCLIV_047350 - 3 [CT]..ATG[ACT]
 2095334,2095711,378,END:Starts:2094818-2094787-2094849-
 2095991,2096088,98,EXACT,AG-GT
 2096490,2098155,1666,START:Ends:2097779-2097020-2098357-
 ID=NCLIV_047360 - 1 A..ATG
 2101454,2102671,1218
 ID=NCLIV_047370 - 14 A..ATG

2104751,2104816,66,END:Starts:2103200-2103254-2103246-
 2105369,2107574,2206,EXACT,AG-GT
 2108095,2108381,287,EXACT,AG-GT
 2108622,2108806,185,EXACT,AG-GT
 2109066,2109207,142,EXACT,AG-GT
 2109656,2109829,174,EXACT,AG-GT
 2109984,2110311,328,START: end -67 AG-GT (ref:AC-GT)<< Possible error
 2110903,2111879,977,END: start 17 AG
 2112216,2112503,288,EXACT,AG-GT
 2112974,2113156,183,EXACT,AG-GT
 2113568,2113699,132,OVER: start -12 and end 1 GC
 2114322,2114672,351
 2115065,2115454,390,END: start 5 AG (ref:AC-GT)<< Possible error
 2115807,2116355,549,START:Ends:2119289-2115911-2117353-
 ID=NCLIV_047405 - 8 A..ATG
 2136775,2136906,132,END:Starts:2136366-2136337-2136338-
 2137562,2137603,42,START: end 33 GT
 2138256,2138327,72,END: start 3 AG (ref:AC-GT)<< Possible error
 2138712,2138747,36,EXACT,AG-GT
 2139188,2139251,64,EXACT,AG-GT
 2139607,2139670,64,EXACT,AG-GT
 2139950,2140050,101,EXACT,AG-GT
 2140798,2141069,272,START:Ends:2144810-2142233-2145041-
 ID=NCLIV_047410 - 1 [CT]..ATG[ACT]
 2143131,2144063,933,OVER:Ends:2144810-2142233-2145041-
 ID=NCLIV_047430 - 3 [CT]..ATG[ACT]
 2158172,2158255,84,END:Starts:2157513-2157680-2157548-
 2158843,2159208,366,EXACT,AG-GT
 2159720,2166571,6852,START:Ends:2160561-2161131-2165490-
 ID=NCLIV_047470 - 2 CGGATGG
 2196444,2196940,497,END:Starts:2193930-2194259-2193996-
 2197150,2198965,1816,START:EXACT
 ID=NCLIV_047480 - 3 [CT]..ATG[ACT]
 2202566,2202729,164,END:EXACT
 2202903,2203114,212,EXACT,AG-GT
 2203674,2203789,116,START:Ends:2204386-2204388-2204423-
 ID=NCLIV_047490 - 12 G..ATGG
 2204412,2204671,260
 2204971,2204994,24
 2205483,2205686,204,EXACT,AG-GT
 2206362,2206472,111,EXACT,AG-GT
 2207071,2207220,150,EXACT,AG-GT
 2207862,2208113,252,EXACT,GT
 2208381,2208581,201
 2208954,2209064,111
 2211032,2211151,120
 2211908,2212144,237
 2212691,2212874,184
 2213755,2213844,90
 ID=NCLIV_047540 - 2 [CT]..ATG[ACT]
 2257618,2258805,1188
 2259535,2259945,411
 ID=NCLIV_047550 - 6 A..ATG
 2263832,2263994,163,OVER:Starts:2263561-2263461-
 2264599,2264691,93,EXACT,AG-GT
 2265125,2266041,917,EXACT,AG-GT
 2266394,2266552,159,START: end 1383 AG-GT
 2267051,2267935,885,END: start -657 AG-GT
 2268200,2269219,1020,START:Ends:2270666-2270682-
 ID=NCLIV_047620 - 5 A..ATG

2335634,2335812,179,END:Starts:2334655-2334656-2334632-
 2336284,2337576,1293,EXACT,AG-GT
 2337792,2337954,163,EXACT,AG-GT
 2338224,2338450,227,EXACT,AG-GT
 2338772,2343923,5152,START:Ends:2345270-2338802-2345237-
 ID=NCLIV_047640 - 3 A..ATG
 2347862,2348535,674
 2349151,2349420,270
 2350127,2350568,442
 ID=NCLIV_047660 - 2 A..ATG
 2359850,2360976,1127,END:Starts:2359271-2359297-
 2361505,2361811,307,START:Ends:2362116-2362156-
 ID=NCLIV_047680 - 4 [CT]..ATG[ACT]
 2382320,2382882,563,END:Starts:2379368-2381911-2381871-
 2383245,2383456,212,EXACT,AG-GT
 2384133,2384335,203,EXACT,AG-GT
 2384854,2387043,2190,START:Ends:2387836-2387372-2388337-
 ID=NCLIV_047690 - 8 G..ATGG
 2389992,2390802,811,END:Starts:2388709-2389156-2388922-
 2391347,2391574,228,EXACT,AG-GT
 2392077,2392192,116,EXACT,AG-GT
 2392908,2393020,113,START: end 180 GT
 2393591,2393866,276
 2394434,2394746,313
 2395174,2395309,136
 2395780,2396336,557
 ID=NCLIV_047700 - 10 [CT]..ATG[ACT]
 2400198,2400953,756,END:Starts:2399581-2399508-2399537-
 2401284,2402959,1676,EXACT,AG-GT
 2403145,2404080,936,START: end -16 AG-GT
 2404337,2404844,508
 2405178,2405333,156,END: start 9 AG (ref:AC-GT)<< Possible error
 2405482,2405586,105,EXACT,AG-GT
 2406035,2406608,574,EXACT,AG-GT
 2406978,2407210,233,EXACT,AG-GT
 2407499,2407865,367,START: end 2950 GT
 2408415,2408440,26,OVER:Ends:2411397-2410815-
 ID=NCLIV_047710 - 3 A..ATG
 2412852,2413000,149,END:Starts:2412236-2412269-2412161-
 2413552,2413769,218,START: end 4 GT
 2414400,2414512,113
 ID=NCLIV_047780 - 9 GGAATGA
 2469417,2469530,114
 2470135,2470278,144
 2470845,2470916,72
 2471952,2472081,130
 2472835,2472904,70
 2474356,2474793,438,END: start -678 AG (ref:AC-GT)<< Possible error
 2475231,2476782,1552,START: end -16 GT
 2477350,2479330,1981,OVER: start -4 and end 862 NONE
 2479883,2480022,140,OVER:Starts:2477355-2477346-
 ID=NCLIV_047790 - 7 G..ATGG
 2483768,2485478,1711
 2485793,2487522,1730,END: start 484 AG
 2487703,2488016,314,START: end 31 GT
 2488469,2488560,92
 2489017,2489161,145
 2489689,2489776,88
 2490730,2491629,900
 ID=NCLIV_047820 - 2 G..ATGG

2509306,2509817,512,END:EXACT
 2510340,2513337,2998,START:Ends:2514046-2514058-
 ID=NCLIV_047830 - 6 G..ATGG
 2516213,2520409,4197,END:Starts:2516872-
 2520618,2520730,113,EXACT,AG-GT
 2521155,2521359,205,EXACT,AG-GT
 2521604,2521675,72,EXACT,AG-GT
 2521980,2522073,94,EXACT,AG-GT
 2522732,2523930,1199
 ID=NCLIV_047850 - 5 A..ATG
 2565600,2565895,296,OVER:Starts:2566445-2563912-
 2566442,2566595,154,END: start -2530 AG
 2567077,2567232,156,EXACT,AG-GT
 2567502,2567600,99,EXACT,AG-GT
 2567860,2568198,339,START:Ends:2568433-2568255-2569001-
 ID=NCLIV_047880 - 7 A..ATG
 2603369,2603956,588,OVER:Starts:2604287-2601406-
 2604287,2604333,47,END: start -2881 AG
 2604712,2604783,72,START: end -34 GT
 2605042,2605329,288
 2605725,2605831,107
 2606052,2607091,1040
 2607489,2608244,756
 ID=NCLIV_047900 - 3 GCAATGC
 2613486,2613937,452
 2614617,2616869,2253
 2617411,2617429,19
 ID=NCLIV_047910 - 2 G..ATGG
 2624584,2624737,154,END:EXACT
 2625119,2625858,740,START:Ends:2626498-2625659-2626473-
 ID=NCLIV_047911 - 2 A..ATG
 2628722,2629792,1071
 2629795,2629917,123
 ID=NCLIV_047920 - 1 A..ATG
 2631591,2632778,1188
 ID=NCLIV_047930 - 1 [CT]..ATG[ACT]
 2634167,2635369,1203
 ID=NCLIV_047940 - 1 A..ATG
 2636731,2637915,1185
 ID=NCLIV_047950 - 1 A..ATG
 2639299,2640480,1182
 ID=NCLIV_047960 - 1 A..ATG
 2641834,2643006,1173
 ID=NCLIV_047990 - 22 CCCATGG
 2653267,2653656,390,END:Starts:2652796-2652836-2652881-
 2653987,2654682,696,EXACT,AG-GT
 2655324,2655656,333,START: end -303 GT
 2656468,2657643,1176
 2658299,2658445,147
 2658871,2659168,298
 2659705,2659877,173
 2660420,2660575,156
 2661134,2661385,252
 2662289,2664659,2371
 2664951,2665241,291
 2665765,2668358,2594,WITHIN: start 626 and end -1947 NONE
 2668497,2668761,265
 2669032,2670186,1155
 2670534,2670824,291
 2671792,2672195,404

2672839,2679523,6685
2680472,2681760,1289
2682031,2684008,1978
2684513,2688224,3712
2688656,2689103,448
2689708,2690268,561
ID=NCLIV_048010 - 12 A..ATG
2698455,2698686,232
2699165,2699176,12,END: start -706 AG-GT
2699786,2700846,1061
2701280,2701426,147
2702134,2702620,487
2702962,2703083,122
2703525,2703643,119
2704342,2704533,192
2704889,2704958,70
2705462,2705899,438
2706353,2706578,226
2707007,2707242,236
ID=NCLIV_048030 - 3 A..ATG
2718491,2718688,198,END:Starts:2716539-2718407-2718399-
2719036,2719193,158,EXACT,AG-GT
2719768,2719774,7,START:Ends:2719917-2719930-2720003-
ID=NCLIV_048040 - 1 GAGATGA
2722307,2723785,1479,OVER:Starts:2721249-2721442-2721186-
ID=NCLIV_048070 - 8 GGAATGA
2740482,2740592,111,OVER:Starts:2739989-2739963-2739964-
2741302,2741437,136,EXACT,AG-GT
2741658,2741729,72,EXACT,AG-GT
2741935,2742039,105,EXACT,AG-GT
2742389,2742457,69,EXACT,AG-GT
2742832,2743092,261,EXACT,AG-GT
2743577,2743660,84,EXACT,AG-GT
2744072,2745558,1487,START:Ends:2746553-2746357-
ID=NCLIV_048100 - 4 [CT]..ATG[ACT]
2771359,2771496,138,END:Starts:2765009-2765812-
2772063,2772443,381,EXACT,AG-GT
2773139,2773367,229,EXACT,AG-GT
2773923,2774029,107,START:Ends:2774843-2775894-
ID=NCLIV_048120 - 8 A..ATG
2783097,2783372,276,END:Starts:2783177-2783176-2783196-
2784140,2784250,111,EXACT,AG-GT
2784737,2784796,60,EXACT,AG-GT
2785518,2785725,208,EXACT,AG-GT
2785934,2786064,131,EXACT,AG-GT
2786586,2786787,202,EXACT,AG-GT
2787163,2787286,124,EXACT,AG-GT
2787579,2787627,49,START:Ends:2789820-2788327-2789825-
ID=NCLIV_048140 - 7 A..ATG
2800329,2800933,605,END:Starts:2798585-2799798-2799368-
2801427,2801741,315,EXACT,AG-GT
2802519,2802656,138,EXACT,AG-GT
2803002,2803158,157,EXACT,AG-GT
2803259,2803357,99,EXACT,AG-GT
2803782,2803909,128,EXACT,AG-GT
2804542,2804752,211,START:Ends:2805509-2805934-2805512-
ID=NCLIV_048160 - 14 A..ATG
2814069,2814493,425,WITHIN:EXACT
2814735,2817751,3017,START: end -12 GT
2818053,2818104,52

2818578,2818728,151,EXACT,AG
 2818970,2819178,209,EXACT,GT
 2819956,2820148,193,EXACT,AG-GT
 2820266,2820333,68,EXACT,AG-GT
 2820515,2820584,70,EXACT,GT
 2820916,2821164,249
 2821553,2821725,173
 2822353,2822569,217
 2823023,2823129,107,EXACT,AG
 2823653,2830630,6978,START: end -797 GT
 2831072,2831714,643,START:Ends:2832145-2831923-
 ID=NCLIV_048170 - 4 A..ATG
 2834633,2834927,295,END:Starts:2834071-2834280-2834085-
 2835402,2835616,215,EXACT,AG-GT
 2836328,2836477,150,START: end 2383 GT
 2836747,2837784,1038,OVER:Ends:2838860-2836477-2838929-
 ID=NCLIV_048190 - 11 G..ATGG
 2844182,2844269,88,END:Starts:2842398-2842262-
 2844886,2845144,259,EXACT,TAG|TGA|TAA:AG-GT
 2845455,2845693,239,EXACT,AG-GT
 2845963,2846399,437,EXACT,AG-GT
 2846702,2847209,508,START: end -15 GT
 2847514,2847726,213
 2848415,2848594,180
 2849000,2849072,73
 2849845,2850136,292
 2850387,2852750,2364,EXACT,GC
 2853556,2855424,1869
 ID=NCLIV_048210 - 9 A..ATG
 2867867,2867998,132,END:Starts:2865019-2866642-2864968-
 2868237,2868509,273,EXACT,AG-GT
 2868770,2868885,116,EXACT,AG-GT
 2869186,2869336,151,EXACT,AG-GT
 2869893,2869946,54,START: end 3 GT (ref:AC-GT)<< Possible error
 2870515,2870841,327,EXACT,AG-GT
 2871585,2872630,1046,EXACT,AG-GT
 2873127,2875106,1980,EXACT,AG-GT
 2875597,2877073,1477,START:Ends:2878966-2877837-2879767-
 ID=NCLIV_048220 - 2 A..ATG
 2880802,2880855,54
 2881405,2882526,1122
 ID=NCLIV_048240 - 11 A..ATG
 2894470,2894879,410,END:Starts:2890655-2889376-
 2895207,2895397,191,EXACT,AG-GT
 2895823,2896025,203,EXACT,AG-GT
 2896287,2896613,327,EXACT,AG-GT
 2897162,2897507,346,EXACT,AG-GT
 2897786,2898022,237,EXACT,AG-GT
 2898450,2898528,79,EXACT,ATG:AG-GT
 2898960,2899200,241,EXACT,AG-GT
 2899844,2900035,192,EXACT,AG-GT
 2900488,2900871,384,EXACT,AG-GT
 2901357,2901566,210,START:Ends:2903364-2903047-2903917-
 ID=NCLIV_048250 - 2 A..ATG
 2905437,2905631,195
 2906203,2906772,570
 ID=NCLIV_048290 - 3 CAGATGG
 2949664,2952696,3033,END:Starts:2948922-2948939-2948911-
 2953071,2955656,2586,EXACT,AG-GT
 2956133,2961577,5445,START:Ends:2960776-2956471-2960824-

ID=NCLIV_048300 - 12 A..ATG
2965555,2965714,160,OVER:Starts:2965467-2965514-2965367-
2966363,2966576,214,EXACT,AG-GT
2967099,2968908,1810,EXACT,AG-GT
2969235,2969478,244,EXACT,AG-GT
2969956,2970005,50,EXACT,AG-GT
2970378,2970606,229,EXACT,AG-GT
2971227,2973840,2614,EXACT,AG-GT
2973955,2976706,2752,START: end -1084 AG-GT
2976843,2977115,273,EXACT,AG-GT
2977502,2979649,2148,EXACT,AG-GT
2979937,2980009,73,EXACT,AG-GT
2980645,2987861,7217,START:Ends:2987783-2989859-2989896-

ID=NCLIV_048340 - 14 GAAATGT
3035676,3035794,119,END:Starts:3034883-3034847-
3036054,3036696,643,START: end -1 GT
3037260,3037394,135
3037544,3037772,229
3038470,3038543,74
3039224,3039313,90
3039633,3039965,333
3040237,3040458,222
3040801,3040905,105
3041229,3041564,336
3041837,3042396,560
3042910,3043303,394
3044124,3044419,296
3045626,3045758,133

ID=NCLIV_048350 - 9 A..ATG
3050122,3050170,49,END:Starts:3048505-3048543-3048495-
3050592,3050680,89,START: end 2 GT
3051100,3051159,60,END: start 2 AG (ref:AC-GT)<< Possible error
3051662,3051715,54,EXACT,AG-GT
3052228,3052299,72,EXACT,AG-GT
3052731,3052947,217,EXACT,AG-GT
3053266,3053492,227,EXACT,AG-GT
3053999,3054147,149,EXACT,AG-GT
3054673,3054910,238,START:Ends:3055040-3055008-3058472-

ID=NCLIV_048360 - 6 A..ATG
3059301,3059311,11,END:EXACT
3060086,3060182,97,EXACT,AG-GT
3060420,3060542,123,EXACT,AG-GT
3060895,3061699,805,EXACT,AG-GT
3062456,3063343,888,EXACT,AG
3063959,3064503,545,START:Ends:3065087-3065077-

ID=NCLIV_048370 - 20 [CT]..ATG[ACT]
3066919,3067050,132,END:EXACT
3067331,3067418,88,EXACT,AG-GT
3068067,3068191,125,EXACT,AG-GT
3068578,3068760,183,EXACT,AG-GT
3068999,3069229,231,EXACT,AG-GT
3069682,3069939,258,EXACT,AG-GT
3070165,3070332,168,EXACT,GT
3070773,3071045,273
3071348,3071470,123,END: start -41 Info:AG-GT-AG-GC-
3072274,3072378,105,EXACT,AG-GT
3072639,3072983,345,EXACT,AG-GT
3073191,3073469,279,START: end -30 AG-GT
3074086,3074223,138,END: start 14 AG
3074591,3074888,298,START: end 3 GT

3075394,3075559,166
3076038,3076093,56
3076454,3076600,147
3077069,3077141,73
3077488,3077605,118
3077820,3078290,471
ID=NCLIV_048400 - 4 A..ATG
3106180,3106453,274
3106643,3106830,188
3107389,3107467,79
3108058,3108179,122
ID=NCLIV_048410 - 2 A..ATG
3112678,3113034,357,END:Starts:3112453-3112445-3112449-
3113444,3113551,108,START:Ends:3113705-3113706-3113777-
ID=NCLIV_048460 - 1 A..ATG
3157051,3158922,1872
ID=NCLIV_048470 - 3 A..ATG
3161962,3163056,1095,END:Starts:3161526-3161569-3161531-
3163421,3163683,263,EXACT,AG-GT
3164256,3165570,1315,START:Ends:3166385-3166828-
ID=NCLIV_048490 - 13 A..ATG
3172739,3172801,63,END:Starts:3170674-3169853-3170812-
3173203,3173348,146,START: end -2 GT
3173982,3174029,48,EXACT,TAG|TGA|TAA:AG-GT
3174880,3174966,87,EXACT,AG-GT
3175575,3175657,83,EXACT,AG-GT
3176451,3176551,101,EXACT,AG-GT
3176691,3176735,45,EXACT,AG-GT
3176921,3176949,29,EXACT,AG-GT
3177338,3177482,145,EXACT,AG-GT
3177952,3178052,101,EXACT,AG-GT
3178452,3178608,157,EXACT,AG-GT
3179217,3179266,50,EXACT,AG-GT
3179857,3180928,1072,START:Ends:3182027-3182012-
ID=NCLIV_048520 - 4 [CT]..ATG[ACT]
3194187,3194426,240,END:Starts:3192463-3192662-3192172-
3194965,3196409,1445,EXACT,AG-GT
3197049,3197587,539,START: end 1119 GT
3197986,3198077,92,OVER:Ends:3198722-3198601-3198706-
ID=NCLIV_048530 - 5 [CT]..ATG[ACT]
3201418,3201571,154,END:Starts:3200205-3200491-3201150-
3202087,3204230,2144,START: end -291 GT
3204784,3206247,1464
3206585,3206788,204
3207380,3212050,4671
ID=NCLIV_048550 - 7 A..ATG
3222186,3222580,395,END:Starts:3217106-3221695-3221744-
3222921,3223234,314,EXACT,AG-GT
3223742,3223823,82,EXACT,AG-GT
3224264,3224327,64,EXACT,AG-GT
3224659,3224727,69,EXACT,AG-GT
3225126,3225237,112,EXACT,AG-GT
3225744,3225916,173,START:Ends:3227037-3226567-
ID=NCLIV_048560 - 6 A..ATG
3229060,3230082,1023
3230430,3230531,102
3230799,3231026,228
3231456,3231599,144
3232105,3232502,398
3232839,3233472,634

ID=NCLIV_048570 - 1 A..ATG
 3237449,3238204,756
 ID=NCLIV_048580 - 7 A..ATG
 3241869,3242207,339,END:Starts:3241166-3241265-3241299-
 3242702,3242921,220,END: start 90 AG-GT (ref:AC-GT)<< Possible error
 3243389,3243511,123,EXACT,AG-GT
 3244019,3244158,140,EXACT,AG-GT
 3244607,3244723,117,EXACT,AG-GT
 3245133,3245287,155,EXACT,AG-GT
 3245801,3245969,169,START:Ends:3246966-3246957-
 ID=NCLIV_048600 - 10 A..ATG
 3264320,3264425,106,END:Starts:3259308-3257863-3259376-
 3264866,3264918,53,EXACT,AG-GT
 3265906,3266010,105,EXACT,AG-GT
 3266183,3266272,90,START: end 70 GT
 3267601,3267648,48,EXACT,AG-GT
 3267992,3268095,104,EXACT,AG-GT
 3268400,3268455,56,EXACT,AG-GT
 3268831,3268894,64,EXACT,AG-GT
 3269180,3269237,58,EXACT,AG-GT
 3270259,3270498,240,START:EXACT
 ID=NCLIV_048620 - 15 [CT]..ATG[ACT]
 3284263,3284349,87
 3284537,3284621,85,EXACT,AG-GT
 3285100,3285848,749,EXACT,AG-GT
 3286711,3286958,248,OVER: start -224 and end 370 ATG:AG-GT (ref:AC-GT)<< Possible error
 3287925,3288056,132,EXACT,AG-GT
 3288535,3288618,84,START: end 57 AG-GT (ref:AC-GT)<< Possible error
 3289287,3290374,1088,EXACT,AG-GT
 3290551,3291019,469,EXACT,AG-GT
 3291591,3291661,71,EXACT,AG-GT
 3292029,3295543,3515,EXACT,AG-GT
 3296849,3297728,880,START: end -26 GT
 3298257,3298396,140,OVER: start -111 and end 1768 AG
 3298529,3299304,776,OVER: start -383 and end 860 AG
 3299755,3300163,409,OVER: start -1609 and end 1 AG
 3300609,3300953,345,OVER:Starts:3300640-3300552-
 ID=NCLIV_048640 - 4 GCCATGA
 3320243,3320314,72,END:EXACT
 3320589,3320719,131,START: end -33 AG-GT (ref:AC-GT)<< Possible error
 3321370,3321472,103,START: end 169 GT
 3322113,3322433,321
 ID=NCLIV_048650 - 1 A..ATG
 3325138,3326013,876
 ID=NCLIV_048670 - 2 G..ATGG
 3333898,3336736,2839,END:Starts:3331472-3332450-3331911-
 3337215,3338263,1049,START:Ends:3340032-3339784-3341046-
 ID=NCLIV_048680 - 7 A..ATG
 3341942,3342591,650
 3343238,3343387,150
 3343918,3344002,85
 3344315,3344357,43
 3344939,3345198,260
 3346007,3346189,183
 3346298,3346369,72
 ID=NCLIV_048690 - 4 [CT]..ATG[ACT]
 3351658,3351693,36,END:Starts:3348835-3348793-
 3352262,3353244,983,END: start -29 TAG|TGA|TAA:AG-GT (ref:AC-GT)<< Possible error
 3353978,3354622,645,START: end 300 GT
 3354990,3357456,2467

ID=NCLIV_048720 - 13 A..ATG
3376039,3376470,432
3377009,3377245,237
3377959,3378042,84
3378633,3378755,123
3379268,3379624,357
3380038,3380251,214
3381031,3381343,313
3381660,3381756,97,EXACT,AG-GT
3382045,3382131,87,START: end -29 GT
3383023,3383153,131
3383890,3386219,2330
3386941,3388017,1077
3388867,3388892,26

ID=NCLIV_048740 - 7 A..ATG
3393899,3394133,235,END:Starts:3392561-3393599-
3394357,3394604,248,EXACT,AG
3394774,3395014,241,EXACT,AG-GT
3395406,3395521,116,EXACT,AG-GT
3395832,3395933,102,EXACT,AG-GT
3396358,3396501,144,EXACT,AG-GT
3397002,3400745,3744,START:Ends:3401685-3399700-3401713-

ID=NCLIV_048760 - 3 GAGATGA
3412787,3417443,4657
3417957,3420237,2281
3420902,3423752,2851

ID=NCLIV_048770 - 14 A..ATG
3429685,3429729,45,OVER:Starts:3429391-3429369-
3430095,3430291,197,END: start -726 AG
3430911,3431081,171,EXACT,AG-GT
3431743,3431850,108,EXACT,AG-GT
3432724,3433052,329,START: end 27 GT
3433657,3433980,324
3434472,3434599,128
3435273,3435739,467
3436374,3436633,260,END: start -371 AG
3436818,3437015,198,START: end -7 GT
3437140,3437312,173,END: start 18 AG (ref:AC-GT)<< Possible error
3437549,3437747,199,EXACT,AG-GT
3438078,3438304,227,EXACT,AG-GT
3438600,3438677,78,START:Ends:3439038-3438719-3438994-

ID=NCLIV_048780 - 15 [CT]..ATG[ACT]
3439187,3439364,178
3439456,3439628,173
3439686,3439965,280
3440030,3440353,324
3440409,3440526,118
3440647,3440984,338
3441042,3441295,254
3441354,3441717,364
3441772,3441869,98
3442189,3442424,236
3443088,3443317,230
3443839,3444012,174
3444063,3444156,94
3444613,3444703,91
3445416,3445526,111

ID=NCLIV_048790 - 3 A..ATG
3446710,3446831,122,END:Starts:3446397-3446552-3446548-
3447002,3447427,426,EXACT,AG-GT

3447562,3447643,82,START:EXACT
ID=NCLIV_048800 - 8 A..ATG
3449889,3450024,136,END:Starts:3447951-3449369-3449355-
3450249,3450519,271,EXACT,AG-GT
3450917,3450995,79,EXACT,AG-GT
3451275,3451343,69,EXACT,AG-GT
3451608,3451816,209,EXACT,AG-GT
3452149,3452247,99,EXACT,AG-GT
3452387,3452593,207
3453112,3453259,148
ID=NCLIV_048840 - 2 A..ATG
3479231,3479729,499,END:Starts:3478601-3478616-3478406-
3479855,3480897,1043,START:Ends:3483380-3480436-3483529-
ID=NCLIV_048860 - 3 TCAATGG
3487102,3488253,1152,END:EXACT
3488774,3491144,2371,EXACT,AG-GT
3491837,3492150,314,START:Ends:3493374-3493351-3493373-
ID=NCLIV_048870 - 15 G..ATGG
3496335,3496383,49,END:Starts:3496024-3496066-
3496777,3496914,138,EXACT,AG-GT
3497302,3497692,391,EXACT,AG-GT
3498330,3498486,157,EXACT,AG-GT
3499038,3499181,144,EXACT,AG-GT
3499574,3499673,100,START: end 141 GT
3500010,3500146,137,END: start -2 AG
3500718,3500868,151,START: end 330 GT
3501391,3501454,64,EXACT,AG
3501793,3501887,95,EXACT,AG-GT
3502111,3502161,51
3502746,3502820,75,EXACT,AG-GT
3503024,3503277,254,EXACT,AG-GT
3503719,3503821,103,EXACT,AG-GT
3504410,3504510,101,START:Ends:3505747-3505643-
ID=NCLIV_048880 - 1 A..ATG
3508524,3509252,729
ID=NCLIV_048900 - 6 A..ATG
3515776,3516194,419,END:Starts:3513471-3515171-3515123-
3516689,3516835,147,EXACT,AG-GT
3517335,3517380,46,EXACT,AG-GT
3517749,3517842,94,EXACT,AG-GT
3518271,3518441,171,EXACT,AG-GT
3518936,3520374,1439,START:Ends:3521795-3521800-
ID=NCLIV_048930 - 12 G..ATGG
3530835,3530894,60
3531165,3531309,145,EXACT,AG
3531587,3531940,354,EXACT,AG-GT
3532279,3532571,293,EXACT,AG
3533122,3533533,412,START: end 2 GT
3533870,3534738,869
3535249,3535766,518
3536133,3536485,353
3537206,3537480,275
3537892,3537948,57
3538880,3538944,65
3539627,3539666,40
ID=NCLIV_048940 - 1 A..ATG
3543048,3543326,279,OVER:Ends:3543711-3543717-
ID=NCLIV_048960 - 6 A..ATG
3547656,3547730,75,END:Starts:3546480-3546638-3546101-
3548446,3548570,125,EXACT,AG-GT

3548848,3548947,100,EXACT,AG-GT
3549470,3549617,148,EXACT,AG-GT
3550107,3550697,591,EXACT,AG-GT
3551067,3551146,80,START:EXACT
ID=NCLIV_049000 - 7 A..ATG
3599157,3599317,161,OVER:Starts:3597394-3597443-
3599680,3599788,109,OVER: start -2237 and end 6842 AG
3600242,3606630,6389,END: start -2799 AG
3607325,3607452,128,EXACT,AG-GT
3607816,3607900,85,EXACT,AG-GT
3608171,3608375,205,EXACT,AG-GT
3609078,3610163,1086,START:Starts:3609103-3609078-
ID=NCLIV_049010 - 1 A..ATG
3614305,3616335,2031
ID=NCLIV_049020 - 2 CAAATGG
3619708,3620210,503,END:Starts:3618617-3618625-3618551-
3620541,3621051,511,START:Ends:3621748-3621745-3621733-
ID=NCLIV_049060 - 11 A..ATG
3646978,3647392,415,END:EXACT
3647776,3647984,209,EXACT,AG-GT
3648672,3648923,252,EXACT,AG-GT
3649501,3649793,293,EXACT,AG-GT
3650323,3650602,280,EXACT,AG-GT
3651188,3651301,114,EXACT,AG-GT
3652015,3652266,252,EXACT,AG-GT
3654089,3654308,220,EXACT,AG-GT
3654874,3655010,137,EXACT,AG-GT
3655316,3655833,518,EXACT,AG-GT
3656658,3657765,1108,START:Ends:3658832-3660206-
ID=NCLIV_049070 - 10 TTCATGG
3661501,3661602,102
3662207,3662469,263
3663074,3663355,282
3663762,3663828,67
3664340,3664487,148
3665325,3665392,68
3665739,3665876,138
3666673,3666777,105,END: start -2 AG
3666999,3667209,211,START: end 79 GT
3667861,3668426,566
ID=NCLIV_049080 - 6 A..ATG
3686061,3686128,68,END:Starts:3685750-3685757-3685705-
3686361,3686444,84,EXACT,AG-GT
3686738,3686821,84,EXACT,AG-GT
3687082,3687114,33,EXACT,AG-GT
3687472,3687630,159,EXACT,AG-GT
3688374,3688458,85,START:Ends:3688775-3688744-3688783-
ID=NCLIV_049100 - 3 A..ATG
3700369,3700453,85,END:Starts:3700163-3700170-3700075-
3700798,3701033,236,EXACT,AG-GT
3701510,3701671,162,START:EXACT
ID=NCLIV_049120 - 6 A..ATG
3713375,3713444,70,END:Starts:3710299-3708458-3710961-
3714560,3714613,54,EXACT,AG-GT
3715144,3715397,254,EXACT,AG-GT
3715579,3715829,251,EXACT,AG-GT
3716385,3716646,262,EXACT,AG-GT
3717305,3717460,156,START:Ends:3718103-3717969-3719592-
ID=NCLIV_049140 - 4 A..ATG
3725383,3725454,72

3725579,3725666,88
 3726321,3727414,1094
 3728023,3728118,96
 ID=NCLIV_049160 - 2 A..ATG
 3739182,3740005,824,END:Starts:3739049-3730835-3730901-
 3740254,3740296,43,START:EXACT
 ID=NCLIV_049190 - 1 A..ATG
 3754967,3755974,1008
 ID=NCLIV_049220 - 16 G..ATGG
 3769420,3769491,72,END:Starts:3768749-3768718-
 3769818,3769867,50,START: end 57 GT
 3770100,3770169,70,END: start 20 AG
 3770439,3770804,366,EXACT,AG-GT
 3771088,3771231,144,EXACT,AG-GT
 3771567,3771773,207,START: end -1 GT
 3771931,3772460,530
 3773015,3773102,88
 3773742,3774117,376
 3774447,3774544,98
 3774779,3775025,247
 3775428,3775481,54
 3776001,3776164,164
 3776761,3776911,151
 3777332,3777884,553,END: start 21 AG
 3778453,3778888,436,START:Ends:3779582-3779052-
 ID=NCLIV_049250 - 4 G..ATGG
 3811093,3811815,723
 3812761,3812927,167,END: start -686 AG (ref:AC-GT)<< Possible error
 3813427,3815277,1851,EXACT,AG-GT
 3815963,3816227,265,START:Ends:3817514-3817519-
 ID=NCLIV_049270 - 1 A..ATG
 3826765,3828840,2076
 ID=NCLIV_049280 - 6 A..ATG
 3845275,3845532,258
 3845839,3846031,193
 3846384,3846598,215
 3846828,3846995,168
 3847321,3847525,205
 3847933,3848351,419
 ID=NCLIV_049290 - 3 GCCATGA
 3851343,3851893,551
 3852394,3852493,100
 3853675,3854028,354
 ID=NCLIV_049300 - 1 [CT]..ATG[ACT]
 3855680,3856288,609
 ID=NCLIV_049320 - 1 [CT]..ATG[ACT]
 3871526,3877555,6030
 ID=NCLIV_049330 - 8 A..ATG
 3882029,3882285,257
 3882685,3882861,177
 3883325,3883520,196
 3884131,3884256,126
 3884669,3884811,143
 3885189,3885384,196
 3885615,3885904,290
 3886388,3886613,226
 ID=NCLIV_049340 - 9 A..ATG
 3895019,3896227,1209,END:Starts:3894539-3894638-
 3896972,3897059,88,START: end 6 GT
 3897675,3897748,74,OVER: start -1 and end 319 AG (ref:AC-GT)<< Possible error

3898412,3899689,1278,START: end -21 GT
 3900241,3900451,211
 3900796,3908885,8090
 3910835,3911457,623
 3911678,3911921,244
 3912498,3913337,840
 ID=NCLIV_049360 - 1 [CT]..ATG[ACT]
 3921073,3922947,1875
 ID=NCLIV_049370 - 2 A..ATG
 3925246,3925427,182,OVER:Starts:3924953-3924934-
 3925637,3925976,340,OVER:Starts:3924953-3924934-
 ID=NCLIV_049380 - 1 GTGATGC
 3929424,3932582,3159
 ID=NCLIV_049400 - 8 A..ATG
 3938978,3939105,128,END:EXACT
 3939397,3939751,355,START: end 2 GT
 3940222,3940363,142,END: start -73 AG (ref:AC-GT)<< Possible error
 3940633,3940791,159,EXACT,AG-GT
 3941022,3941205,184,EXACT,AG-GT
 3941454,3941727,274,EXACT,AG-GT
 3942028,3942276,249,EXACT,AG-GT
 3942698,3942706,9,START:Ends:3943460-3942929-3943898-
 ID=NCLIV_049410 - 1 [CT]..ATG[ACT]
 3950143,3951468,1326,OVER:Starts:3949909-3949629-
 ID=NCLIV_049430 - 7 A..ATG
 3966536,3966623,88,OVER:Starts:3966275-3966504-3966441-
 3966809,3971619,4811,END: start -368 AG (ref:AC-GT)<< Possible error
 3972185,3972666,482,EXACT,AG-GT
 3973083,3974909,1827,START: end -135 AG-GT
 3975033,3975320,288,EXACT,AG-GT
 3975779,3976379,601,EXACT,AG-GT
 3976853,3982480,5628,START:Ends:3984448-3984047-3985105-
 ID=NCLIV_049440 - 19 A..ATG
 3993780,3993811,32,END:Starts:3991625-3992496-3992276-
 3994076,3994474,399,EXACT,AG-GT
 3994866,3994900,35,EXACT,AG-GT
 3995322,3995370,49,EXACT,AG-GT
 3995798,3995861,64,EXACT,AG-GT
 3996297,3996407,111,EXACT,AG-GT
 3996888,3996980,93,EXACT,ATG:AG-GT
 3997190,3997277,88,EXACT,AG-GT
 3997751,3997799,49,START: end 217 GT
 3998164,3998170,7,END: start -32 AG
 3998495,3999288,794,EXACT,AG-GT
 4000883,4000952,70,EXACT,AG-GT
 4001510,4002856,1347,EXACT,AG-GT
 4003125,4003570,446,EXACT,AG-GT
 4003816,4003917,102,START: end 2 GT
 4004438,4004553,116
 4004668,4005367,700,END: start -4 AG (ref:AC-GT)<< Possible error
 4005777,4007102,1326,EXACT,AG-GT
 4007389,4007443,55,START:Ends:4008335-4008129-4008167-
 ID=NCLIV_049460 - 15 [CT]..ATG[ACT]
 4023934,4024535,602,END:Starts:4019862-4022536-4019418-
 4024771,4025435,665,EXACT,AG-GT
 4025856,4025969,114,EXACT,AG-GT
 4026060,4026121,62,START: end -18 GT
 4026407,4026525,119,END: start 19 AG
 4026837,4027015,179,EXACT,AG-GT
 4027433,4027629,197,EXACT,GT

4028516,4028648,133,EXACT,AG
 4029182,4029365,184,EXACT,AG-GT
 4029714,4029958,245,EXACT,AG-GT
 4030726,4030921,196,EXACT,AG-GT
 4031440,4031572,133,EXACT,AG-GT
 4032521,4032685,165,START: end 22 GT
 4033274,4033531,258,END: start 8 AG
 4033880,4034347,468,START:Ends:4035013-4034981-
 ID=NCLIV_049470 - 1 [CT]..ATG[ACT]
 4037426,4044589,7164
 ID=NCLIV_049490 - 1 GCCATGT
 4054590,4056194,1605
 ID=NCLIV_049510 - 1 A..ATG
 4075532,4076059,528
 ID=NCLIV_049540 - 1 A..ATG
 4086065,4086682,618
 ID=NCLIV_049570 - 11 A..ATG
 4114285,4114455,171,END:Starts:4112524-4113952-4112926-
 4114989,4115198,210,EXACT,AG-GT
 4115630,4115927,298,EXACT,GT
 4116367,4116569,203
 4116944,4117000,57
 4117335,4117409,75
 4117696,4117819,124,EXACT,AG
 4118393,4118638,246,START: end 87 GT
 4119283,4119410,128
 4119898,4120034,137
 4120790,4120895,106
 ID=NCLIV_049580 - 2 A..ATG
 4124615,4128747,4133
 4129501,4133131,3631
 ID=NCLIV_049610 - 1 A..ATG
 4150939,4152036,1098
 ID=NCLIV_049620 - 1 A..ATG
 4153638,4154795,1158
 ID=NCLIV_049630 - 1 GACATGA
 4156334,4157515,1182
 ID=NCLIV_049640 - 1 A..ATG
 4159026,4160120,1095
 ID=NCLIV_049670 - 2 GCGATGA
 4183671,4185061,1391,END:Starts:4181900-4182687-4183751-
 4185476,4186187,712,START:EXACT
 ID=NCLIV_049690 - 6 GGAATGT
 4198100,4198174,75
 4198847,4199082,236
 4199357,4199412,56
 4199900,4199954,55
 4200826,4200945,120
 4201746,4201818,73
 ID=NCLIV_049700 - 1 A..ATG
 4207395,4208150,756
 ID=NCLIV_049710 - 22 A..ATG
 4210551,4210598,48,END:Starts:4209458-4209505-4209447-
 4211080,4211957,878,EXACT,AG-GT
 4212341,4212400,60,EXACT,AG-GT
 4213012,4213138,127,EXACT,AG-GT
 4213523,4213642,120,EXACT,AG-GT
 4214193,4214279,87,EXACT,AG-GT
 4214760,4214915,156,EXACT,AG-GT
 4215241,4215396,156,EXACT,AG-GT

4215800,4215928,129,EXACT,AG-GT
 4216023,4216104,82,EXACT,AG-GT
 4216530,4216630,101,EXACT,AG-GT
 4216963,4217196,234,EXACT,AG-GT
 4217577,4217769,193,EXACT,AG-GT
 4218184,4218410,227,EXACT,GT
 4218911,4218999,89,EXACT,AG
 4219396,4219552,157,START: end 3 GT
 4219771,4220009,239,END: start 7 AG (ref:AC-GT)<< Possible error
 4220400,4220484,85,EXACT,AG-GT
 4220937,4221018,82,EXACT,AG-GT
 4221511,4221791,281,EXACT,AG-GT
 4222064,4222250,187,EXACT,AG-GT
 4222813,4222994,182,START:Ends:4224989-4223381-4223195-
 ID=NCLIV_049740 - 19 [CT]..ATG[ACT]
 4257682,4258416,735,END:Starts:4256078-4255747-
 4258611,4258716,106,EXACT,AG-GT
 4259012,4259089,78,EXACT,AG-GT
 4259383,4259433,51,EXACT,AG-GT
 4259927,4260000,74,EXACT,GT
 4260571,4260679,109
 4261099,4261247,149
 4261947,4262005,59
 4262554,4262963,410
 4263387,4263495,109
 4263870,4264080,211
 4264706,4265159,454
 4265617,4265916,300
 4266423,4266492,70
 4266924,4267637,714
 4268321,4268633,313
 4268801,4268964,164
 4269351,4269560,210
 4270099,4270375,277
 ID=NCLIV_049770 - 11 A..ATG
 4360100,4360311,212
 4360608,4361075,468
 4361552,4361803,252
 4361989,4362459,471
 4362691,4363155,465
 4363376,4365360,1985
 4366706,4366871,166
 4367371,4367616,246
 4367833,4368093,261
 4368273,4368292,20
 4368411,4368523,113
 ID=NCLIV_049800 - 8 GCGATGC
 4391121,4391242,122,END:EXACT
 4391542,4391680,139,EXACT,AG-GT
 4392503,4392727,225,EXACT,AG-GT
 4392980,4393124,145,EXACT,AG-GT
 4393619,4393700,82,START: end 3 GT
 4394075,4394402,328
 4395114,4395344,231,END: start -1032 AG
 4395556,4395978,423,START:Ends:4396597-4398336-
 ID=NCLIV_049830 - 11 A..ATG
 4411421,4411516,96
 4412125,4412199,75,EXACT,AG
 4412886,4412966,81,EXACT,AG-GT
 4413402,4413476,75,EXACT,AG-GT

4414144,4414230,87,EXACT,AG-GT
4414956,4415124,169,EXACT,AG-GT
4415565,4415811,247,EXACT,AG-GT
4416266,4416356,91,END: start -45 AG-GT (ref:AC-GT)<< Possible error
4417037,4417124,88,EXACT,AG-GT
4417513,4417566,54
4418429,4419117,689,START:Ends:4419873-4419863-4419897-
ID=NCLIV_049840 - 13 A..ATG
4421468,4422240,773
4422388,4422636,249
4422907,4423149,243
4423375,4423653,279
4424012,4424269,258
4424590,4424835,246
4425603,4425848,246
4426086,4426343,258
4426658,4426906,249
4427829,4428092,264
4428493,4428738,246
4429069,4429133,65
4429367,4429449,83
ID=NCLIV_049850 - 11 A..ATG
4432157,4432249,93,END:Starts:4431984-4432162-4432168-
4432802,4432875,74,EXACT,AG-GT
4433426,4433475,50,EXACT,AG-GT
4434065,4434190,126,EXACT,AG-GT
4434953,4435058,106,START: end -9 GT
4435711,4435778,68,OVER: start -108 and end 71 AG
4436179,4436354,176,START: end -125 AG-GT
4436764,4436881,118,START: end 5 GT
4437305,4437499,195,END: start 32 AG (ref:AC-GT)<< Possible error
4437719,4437930,212,EXACT,AG-GT
4438314,4438967,654,START:Ends:4439605-4439259-4439541-
ID=NCLIV_049870 - 4 [CT]..ATG[ACT]
4449083,4457932,8850
4458217,4458458,242,EXACT,GT
4459170,4459271,102,START: end -3 AG
4459748,4463066,3319,START:Ends:4461610-4460169-4460190-
ID=NCLIV_049890 - 8 G..ATGG
4469413,4469536,124,OVER:Starts:4468053-4468730-
4470363,4470467,105,OVER: start -1633 and end 364 AG
4471152,4471210,59,EXACT,AG-GT
4471495,4471539,45,EXACT,AG-GT
4471832,4471883,52,EXACT,AG-GT
4472203,4472270,68,START: end -4 GT
4472710,4472813,104,END: start -276 AG (ref:AC-GT)<< Possible error
4473272,4473596,325,START:EXACT
ID=NCLIV_049910 - 10 A..ATG
4486824,4486867,44,OVER:Starts:4485926-4485985-
4486972,4487849,878,END: start -987 AG
4488369,4488473,105,EXACT,AG-GT
4488926,4489023,98,EXACT,AG-GT
4489661,4491026,1366,EXACT,AG-GT
4491562,4491695,134,START: end 283 AG-GT
4491915,4491978,64,END: start -353 AG-GT
4492674,4492736,63,EXACT,GT
4493468,4493700,233,OVER: start -245 and end 2358 GT
4494167,4494748,582,OVER:Ends:4496048-4496058-
ID=NCLIV_049930 - 15 A..ATG
4507674,4508396,723

4508919,4509934,1016
4510363,4510513,151
4511019,4511212,194
4512479,4513496,1018
4514082,4514142,61
4514620,4514715,96
4515171,4515660,490
4516254,4516380,127
4516907,4516962,56
4517308,4517391,84
4517934,4518071,138
4518806,4518818,13
4519556,4519701,146
4520522,4521182,661
ID=NCLIV_049940 - 6 A..ATG
4525564,4525742,179,END:Starts:4524520-4524572-4524526-
4526198,4526375,178,EXACT,AG-GT
4526845,4526952,108,EXACT,ATG:AG-GT
4527484,4527557,74,EXACT,AG-GT
4528070,4528139,70,EXACT,AG-GT
4529249,4529338,90,START:Ends:4529614-4529585-4529619-
ID=NCLIV_049950 - 9 [CT]..ATG[ACT]
4535932,4536107,176,END:Starts:4533092-4535018-4535620-
4536615,4536826,212,EXACT,AG-GT
4537376,4537870,495,EXACT,AG-GT
4538381,4538499,119,START: end -3 GT
4538843,4538920,78,END: start 1 AG
4539199,4539433,235,EXACT,AG-GT
4540014,4540120,107,EXACT,AG-GT
4540538,4540610,73,EXACT,AG-GT
4541142,4541596,455,START:Ends:4542480-4541668-4544370-
ID=NCLIV_049960 - 12 [CT]..ATG[ACT]
4551395,4551480,86,END:EXACT
4552436,4552873,438,END: start 5 AG
4553211,4553492,282,START: end -95 GT
4553876,4554034,159
4555475,4555939,465
4556221,4556343,123
4556968,4557150,183
4557644,4557898,255
4558434,4558685,252
4559073,4559249,177
4559641,4559829,189
4560132,4560207,76
ID=NCLIV_049990 - 11 A..ATG
4567545,4567882,338,OVER:Starts:4566766-4565037-
4568219,4568477,259,END: start -3182 AG
4568700,4568787,88,EXACT,GT
4569282,4569343,62
4570290,4570539,250
4570957,4571086,130
4571616,4571736,121
4572166,4572258,93
4572928,4573074,147
4573720,4574452,733
4575128,4576404,1277
ID=NCLIV_050030 - 11 A..ATG
4603091,4603105,15,END:EXACT
4603443,4603574,132,EXACT,AG-GT
4604167,4604244,78,EXACT,AG-GT

4604434,4604497,64,EXACT,AG-GT
 4604723,4604782,60,EXACT,TAG|TGA|TAA:AG-GT
 4605172,4605440,269,EXACT,AG-GT
 4605877,4606059,183,EXACT,AG-GT
 4606696,4606840,145,EXACT,AG-GT
 4607393,4607564,172,EXACT,AG-GT
 4608106,4608168,63,EXACT,AG-GT
 4608515,4608761,247,START:EXACT
 ID=NCLIV_050050 - 18 A..ATG
 4621523,4621710,188,END:EXACT
 4622110,4622191,82,EXACT,AG-GT
 4622595,4622672,78,EXACT,AG-GT
 4622905,4622964,60,EXACT,AG-GT
 4623551,4623746,196,START: end -11 GT
 4624100,4624150,51,END: start 22 AG
 4624402,4624642,241,EXACT,AG-GT
 4624989,4625064,76,EXACT,AG-GT
 4625406,4625555,150,EXACT,ATG:AG-GT
 4626075,4626221,147,START: end -15 GT
 4626668,4626848,181,END: start 18 AG
 4627097,4627301,205,EXACT,ATG:AG-GT
 4627616,4627845,230,START: end -5 GT
 4628167,4628369,203
 4628837,4629005,169,EXACT,AG
 4630211,4630439,229,END: start 50 AG-GT
 4631271,4631591,321,EXACT,AG-GT
 4632034,4633936,1903,START:Ends:4634576-4632393-4634626-
 ID=NCLIV_050070 - 2 CAAATGG
 4640732,4640827,96,END:Starts:4639936-4640016-4640015-
 4641006,4641320,315,START:EXACT
 ID=NCLIV_050080 - 3 A..ATG
 4642535,4642771,237,END:EXACT
 4643015,4643193,179,EXACT,AG-GT
 4644098,4644200,103,START:EXACT
 ID=NCLIV_050090 - 3 A..ATG
 4647467,4647611,145,END:Starts:4646337-4644854-
 4648065,4648256,192,EXACT,AG-GT
 4648610,4648938,329,START:Ends:4649293-4649291-4649294-
 ID=NCLIV_050110 - 1 [CT]..ATG[ACT]
 4653060,4653578,519
 ID=NCLIV_050150 - 1 GGCATGC
 4683624,4684250,627
 ID=NCLIV_050170 - 5 A..ATG
 4690826,4690900,75,END:Starts:4690398-4690293-4689921-
 4691297,4691374,78,EXACT,AG-GT
 4691834,4691932,99,END: start -18 AG-GT (ref:AC-GT)<< Possible error
 4692449,4692521,73,EXACT,AG-GT
 4693505,4693695,191,START:EXACT
 ID=NCLIV_050200 - 68 A..ATG
 4711640,4711675,36
 4711913,4712074,162
 4712354,4712485,132
 4712801,4713148,348
 4713554,4713742,189
 4714118,4714312,195
 4714552,4714813,262
 4715170,4715402,233
 4715766,4716069,304
 4716603,4716863,261
 4717124,4717327,204

4717842,4717933,92
4718448,4718621,174
4719354,4719499,146
4719669,4719834,166
4720197,4720445,249
4721224,4721500,277
4721904,4722261,358
4722552,4722726,175
4723422,4723646,225
4724057,4724300,244
4724871,4725159,289
4725496,4725707,212
4726307,4726603,297
4726771,4726964,194
4727221,4727425,205
4727937,4728100,164
4728603,4728840,238
4729164,4729381,218
4729750,4729857,108
4730283,4730389,107
4730684,4730777,94
4731073,4731353,281
4732091,4732304,214
4732493,4732765,273
4733208,4733433,226
4733769,4733907,139
4734482,4734679,198
4735123,4735225,103
4735745,4735934,190
4736399,4736538,140
4737291,4737409,119
4738103,4738242,140
4739182,4739392,211
4740145,4740471,327
4740728,4740845,118
4741662,4741868,207
4742245,4742545,301
4742794,4742893,100
4743660,4743812,153
4744182,4744326,145
4745051,4745254,204
4745548,4745654,107
4745911,4745951,41
4746123,4746337,215
4746776,4746886,111
4747013,4747276,264
4747524,4747613,90
4748057,4748259,203
4748863,4748998,136
4749359,4749589,231
4749945,4750118,174
4750479,4750730,252
4751030,4751256,227
4751755,4751954,200
4752359,4752432,74
4753041,4753226,186
4753880,4754365,486
ID=NCLIV_050240 - 2 A..ATG
4778113,4778585,473
4779676,4780225,550

ID=NCLIV_050250 - 2 A..ATG
4782360,4782832,473
4783772,4784318,547

ID=NCLIV_050260 - 2 [CT]..ATG[ACT]
4786425,4786970,546
4787700,4788035,336

ID=NCLIV_050270 - 2 GACATGT
4790366,4790882,517
4791605,4792101,497

ID=NCLIV_050280 - 2 GTCATGA
4794501,4795076,576
4795838,4796431,594

ID=NCLIV_050290 - 2 A..ATG
4798725,4799290,566
4800173,4800788,616

ID=NCLIV_050320 - 9 A..ATG
4819366,4819746,381,END:Starts:4817264-4818492-4818398-
4820085,4820201,117,EXACT,AG-GT
4820580,4820933,354,EXACT,Info:AG-GC-AG-GT-
4821333,4821450,118,EXACT,AG-GT
4822072,4822341,270,EXACT,AG-GT
4822988,4823084,97,EXACT,AG-GT
4823481,4824255,775,START: end -3 GT
4824682,4826189,1508,END: start -47 AG
4826913,4827144,232

ID=NCLIV_050340 - 1 A..ATG
4832494,4834371,1878

ID=NCLIV_050390 - 6 A..ATG
4853300,4853352,53,END:Starts:4852940-4852934-4852908-
4853773,4853954,182,EXACT,AG-GT
4854163,4854217,55,EXACT,AG-GT
4854834,4855188,355,EXACT,AG-GT
4855600,4855757,158,EXACT,AG-GT
4856282,4856306,25,START:Ends:4856785-4856587-4856631-

ID=NCLIV_050400 - 15 A..ATG
4859189,4859359,171
4859828,4860107,280,EXACT,AG-GT
4860697,4860769,73,START: end -11 GT
4861171,4861297,127
4861829,4861941,113
4862762,4862903,142
4863180,4863288,109
4863577,4863716,140
4864187,4864255,69
4864740,4864812,73
4865148,4865286,139
4865570,4865921,352
4866416,4866509,94
4866984,4867154,171
4867463,4868169,707

ID=NCLIV_050420 - 2 A..ATG
4879132,4879853,722
4880736,4880979,244

ID=NCLIV_050450 - 6 [CT]..ATG[ACT]
4893004,4893217,214,END:Starts:4892607-4892565-
4893521,4893570,50,EXACT,AG-GT
4894161,4894604,444,START: end -120 AG-GT
4894801,4894836,36,START: end 493 GT
4894998,4895128,131,OVER: start -197 and end 201 GT
4896404,4896680,277,START:EXACT

ID=NCLIV_050460 - 11 G..ATGG
4905072,4905870,799,END:Starts:4904337-4904637-4904377-
4906150,4908695,2546,START: end 258 GT
4909288,4909345,58
4909950,4910039,90
4910527,4910643,117
4911183,4911332,150,END: start 26 AG
4911463,4911671,209,EXACT,AG-GT
4912502,4912636,135,EXACT,GT
4913198,4913271,74
4913829,4913915,87,EXACT,Info:TAG|TGA|TAA:AG-GT-donor=AT-Stop Codon:AG-GT-
4914216,4914813,598,START:Ends:4915406-4915155-4915408-
ID=NCLIV_050480 - 11 A..ATG
4923046,4923264,219
4923746,4923802,57
4924950,4925061,112
4925658,4925737,80
4925863,4925937,75
4926545,4926641,97
4926790,4927217,428
4927785,4927850,66
4928228,4928565,338,END: start 7 AG
4929216,4929324,109,EXACT,AG-GT
4929645,4929791,147,START:Ends:4930602-4930295-
ID=NCLIV_050530 - 3 GCCATGC
4964813,4965081,269,END:Starts:4962463-4964488-4962374-
4965610,4966102,493,EXACT,AG-GT
4966481,4967164,684
ID=NCLIV_050540 - 3 [CT]..ATG[ACT]
4969857,4969958,102,END:Starts:4968927-4969654-
4970254,4970361,108,END: start -15 AG-GT
4971072,4971743,672,START:Ends:4971688-4972543-
ID=NCLIV_050560 - 7 GTCATGA
4980117,4980216,100,END:Starts:4977938-4979507-4978750-
4980531,4980673,143,EXACT,AG-GT
4981201,4982001,801,EXACT,AG-GT
4982362,4982561,200,EXACT,AG-GT
4982960,4983048,89,START: end 522 AG-GT
4983425,4983570,146,END: start -465 AG-GT
4983986,4984006,21,START:EXACT
ID=NCLIV_050600 - 2 A..ATG
5007527,5007631,105,END:Starts:5006931-5006907-5006893-
5008413,5008814,402,START:Ends:5009070-5009032-5009110-
ID=NCLIV_050630 - 3 A..ATG
5026459,5026617,159,END:Starts:5026175-5026217-5026119-
5026883,5026986,104,EXACT,AG-GT
5027387,5027519,133,START:EXACT
ID=NCLIV_050640 - 2 CAAATGG
5037265,5037420,156
5037911,5038078,168
ID=NCLIV_050660 - 2 GAGATGA
5049869,5050801,933
5051210,5051362,153,START:Ends:5051777-5051772-
ID=NCLIV_050680 - 8 A..ATG
5061737,5062230,494,END:Starts:5061239-5061201-5061165-
5062421,5062508,88,START: end 1529 AG-GT
5062851,5062940,90,OVER: start -430 and end 1097 AG-GT
5063876,5064037,162,END: start -1455 AG-GT
5064323,5064450,128,EXACT,AG-GT
5064713,5064900,188,EXACT,AG-GT

5065019,5065250,232,EXACT,GT
 5065396,5065750,355,START:Starts:5065395-5065396-
 ID=NCLIV_050690 - 5 GTGATGA
 5068648,5068756,109,OVER:Starts:5065395-5065396-
 5069255,5069387,133,END: start -3859 AG
 5069721,5069791,71,EXACT,AG-GT
 5070159,5070483,325,EXACT,AG-GT
 5070857,5074418,3562,START:Ends:5076065-5073198-5074813-
 ID=NCLIV_050700 - 2 A..ATG
 5085416,5086068,653
 5087152,5087218,67
 ID=NCLIV_050720 - 8 GCGATGA
 5095217,5095278,62
 5095542,5095645,104
 5096121,5096193,73
 5096548,5096588,41
 5097102,5097201,100,END: start -553 AG
 5097540,5097624,85,EXACT,AG-GT
 5097974,5098114,141,EXACT,AG-GT
 5098285,5098383,99,START:EXACT
 ID=NCLIV_050730 - 8 GCCATGC
 5103250,5103441,192,END:Starts:5102672-5102697-5102670-
 5103679,5103776,98,EXACT,AG-GT
 5103974,5104048,75,EXACT,AG-GT
 5104675,5104809,135,EXACT,AG-GT
 5105370,5105435,66,EXACT,AG-GT
 5106059,5106136,78,EXACT,AG-GT
 5106985,5107120,136,START: end 2194 GT
 5107773,5108390,618,OVER:Ends:5107120-5109314-
 ID=NCLIV_050740 - 2 [CT]..ATG[ACT]
 5112433,5112624,192
 5113406,5113561,156
 ID=NCLIV_050780 - 1 G..ATGG
 5150804,5151472,669,OVER:Starts:5147671-
 ID=NCLIV_050790 - 1 [CT]..ATG[ACT]
 5153667,5154236,570,OVER:Starts:5147671-
 ID=NCLIV_050800 - 4 A..ATG
 5156104,5156198,95,OVER:Starts:5147671-
 5156252,5156356,105,OVER: start -8581 and end 1208 Code:INTERNAL-
 5156378,5156441,64,OVER: start -8707 and end 1123 Code:INTERNAL-
 5156500,5156682,183,OVER:Starts:5147671-
 ID=NCLIV_050810 - 4 [CT]..ATG[ACT]
 5157490,5157564,75,END:Starts:5147671-
 5157665,5157783,119,START: end 137 AG-GT (ref:AC-GT)<< Possible error
 5158134,5158250,117,END: start -93 AG-GT (ref:AC-GT)<< Possible error
 5158539,5158587,49,START:Ends:5161392-5161433-5163321-
 ID=NCLIV_050830 - 6 G..ATGG
 5164485,5164503,19,END:Starts:5163736-5164036-5163543-
 5165571,5165749,179,END: start -459 GT
 5166094,5167110,1017,EXACT,AG-GT
 5167309,5179359,12051
 5179691,5180152,462
 5182282,5186010,3729,START:Ends:5182868-5183346-
 ID=NCLIV_050840 - 1 GCAATGT
 5189129,5189656,528
 ID=NCLIV_050850 - 2 A..ATG
 5191836,5191928,93,END:Starts:5191172-5191109-5191097-
 5192587,5192829,243,START:EXACT
 ID=NCLIV_050900 - 9 A..ATG
 5245521,5245594,74,END:Starts:5245156-5245148-5245067-

5245878,5245917,40,EXACT,AG-GT
 5246528,5246593,66,START: end 72 AG-GT
 5247011,5247138,128,EXACT,AG-GT
 5247470,5247503,34,EXACT,AG-GT
 5248007,5248096,90,EXACT,AG-GT
 5248436,5248538,103,EXACT,AG-GT
 5248962,5249128,167,EXACT,AG-GT
 5250270,5250368,99,START:Ends:5251240-5250700-5250755-
 ID=NCLIV_050910 - 8 G..ATGG
 5253692,5253778,87,END:Starts:5253728-5253498-5253360-
 5254143,5254212,70,EXACT,AG-GT
 5254507,5254714,208,EXACT,AG-GT
 5255333,5255436,104,EXACT,AG-GT
 5255748,5255811,64,EXACT,AG-GT
 5256620,5256975,356,EXACT,AG-GT
 5257719,5258038,320,EXACT,AG-GT
 5258611,5259342,732,START:Ends:5263144-5263109-5263135-
 ID=NCLIV_050920 - 6 A..ATG
 5263980,5265569,1590,END:Starts:5263894-5263947-5263874-
 5265950,5267181,1232,EXACT,AG-GT
 5267534,5267602,69,EXACT,AG-GT
 5267949,5268012,64,EXACT,AG-GT
 5268568,5269204,637,EXACT,AG-GT
 5269464,5270059,596,START:Ends:5270662-5270664-5270817-
 ID=NCLIV_050930 - 7 GGGATGA
 5272484,5272642,159
 5273106,5273207,102
 5273554,5273689,136
 5273960,5274197,238
 5274750,5275540,791
 5275779,5275889,111
 5276652,5277829,1178
 ID=NCLIV_050940 - 1 A..ATG
 5279281,5279745,465
 ID=NCLIV_050950 - 1 A..ATG
 5283974,5284771,798
 ID=NCLIV_050960 - 1 A..ATG
 5286635,5287792,1158
 ID=NCLIV_050980 - 5 [CT]..ATG[ACT]
 5302918,5305755,2838
 5306594,5307766,1173
 5308171,5308382,212
 5309064,5309203,140
 5309569,5309582,14
 ID=NCLIV_051010 - 8 A..ATG
 5326744,5326828,85,END:EXACT
 5327216,5327304,89,EXACT,AG-GT
 5327846,5327932,87,EXACT,AG-GT
 5328288,5328488,201,EXACT,AG-GT
 5329083,5329199,117,EXACT,AG-GT
 5329517,5329936,420,END: start 162 AG-GC (ref:AC-GT)<< Possible error
 5330296,5330404,109,EXACT,AG-GT
 5331118,5331413,296,START:Ends:5331940-5331907-5331931-
 ID=NCLIV_051020 - 7 [CT]..ATG[ACT]
 5336649,5337113,465,END:Starts:5336688-5336710-5335876-
 5337660,5337928,269,EXACT,AG-GT
 5338163,5338403,241,EXACT,AG-GT
 5338636,5338755,120,EXACT,AG-GT
 5339014,5339136,123,EXACT,AG-GT
 5339655,5339759,105,START: end 4990 GT

5340711,5342132,1422,OVER:Ends:5339693-5344749-
ID=NCLIV_051040 - 1 A..ATG
5352694,5353503,810
ID=NCLIV_051060 - 1 A..ATG
5356912,5359527,2616
ID=NCLIV_051070 - 1 A..ATG
5361997,5363298,1302
ID=NCLIV_051100 - 6 A..ATG
5384651,5384658,8
5385084,5385182,99,EXACT,AG-GT
5385663,5385843,181,EXACT,AG-GT
5386207,5386292,86,EXACT,AG-GT
5386910,5387010,101,EXACT,AG-GT
5387836,5387897,62,START:Ends:5388559-5388584-5389602-
ID=NCLIV_051150 - 2 G..ATGG
5414216,5419338,5123,END:Starts:5412821-5412810-
5419906,5420272,367,START:Ends:5422792-5422823-
ID=NCLIV_051160 - 6 GCTATGT
5427426,5429283,1858,END:Starts:5426016-5423899-
5430009,5432578,2570,EXACT,AG
5433620,5433631,12,END: start -590 GT
5434093,5434179,87,EXACT,AG
5434861,5434921,61,EXACT,AG-GT
5436202,5436257,56,START:Ends:5437238-5437308-
ID=NCLIV_051190 - 6 TAGGGGG
5465693,5466296,604
5466782,5466988,207
5467145,5467233,89
5467502,5467674,173
5468197,5468818,622
5469610,5469714,105
ID=NCLIV_051200 - 1 A..ATG
5472622,5473617,996,START:Ends:5475242-5474460-5475210-
ID=NCLIV_051220 - 9 A..ATG
5483694,5486151,2458,OVER:Starts:5482635-5483507-
5486668,5487339,672,END: start -3161 AG
5487725,5488062,338,START: end -221 GT
5488489,5489009,521
5489381,5489549,169
5490429,5490680,252
5491193,5491917,725
5492674,5492930,257
5493531,5494252,722
ID=NCLIV_051230 - 2 A..ATG
5495766,5495947,182
5496684,5497119,436
ID=NCLIV_051250 - 5 A..ATG
5512519,5513394,876
5514035,5516005,1971
5516293,5516448,156
5517046,5517126,81
5517739,5519676,1938
ID=NCLIV_051260 - 1 GTTATGC
5525225,5528872,3648
ID=NCLIV_051280 - 6 [CT]..ATG[ACT]
5544859,5545530,672
5545802,5546422,621
5546938,5548136,1199
5548513,5549338,826
5549833,5550467,635

5550745,5551297,553
ID=NCLIV_051290 - 3 GACATGA
5554742,5555289,548
5556000,5556649,650
5558124,5560123,2000
ID=NCLIV_051300 - 4 [CT]..ATG[ACT]
5564121,5564305,185,END:Starts:5562879-5562784-5562806-
5564840,5564987,148,START: end 611 AG-GT
5565507,5565598,92,END: start -667 AG-GT
5566046,5566211,166,START:Ends:5566546-5566536-5566557-
ID=NCLIV_051310 - 12 A..ATG
5570071,5570253,183,END:EXACT
5571042,5571135,94,START: end 442 GT (ref:AC-GT)<< Possible error
5571516,5571577,62,END: start -474 GT (ref:AC-GT)<< Possible error
5571982,5572029,48,EXACT,AG-GT
5572525,5572587,63,EXACT,AG-GT
5572818,5572881,64,EXACT,AG-GT
5573134,5573201,68,EXACT,AG-GT
5573804,5573853,50,EXACT,AG-GT
5574539,5574591,53,EXACT,AG-GT
5574879,5574955,77,EXACT,AG-GT
5575228,5575493,266,EXACT,AG-GT
5576115,5576448,334,START:Ends:5577289-5577264-5577290-
ID=NCLIV_051320 - 3 [CT]..ATG[ACT]
5578875,5579662,788
5580549,5581573,1025
5581866,5583688,1823
ID=NCLIV_051400 - 4 A..ATG
5648664,5648707,44,END:Starts:5648637-5641423-
5649176,5649325,150,EXACT,AG-GT
5649563,5649700,138,EXACT,AG-GT
5650170,5650407,238,START:Ends:5651531-5651537-
ID=NCLIV_051430 - 1 A..ATG
5671920,5673056,1137
ID=NCLIV_051440 - 11 CTAATGG
5675626,5676753,1128,END:Starts:5675163-5675242-5675173-
5677054,5677158,105,EXACT,AG-GT
5677778,5677891,114,END: start -36 AG-GC (ref:AC-GT)<< Possible error
5678450,5678653,204,START: end 6 GT
5679085,5679469,385,END: start 13 AG
5679832,5679967,136,EXACT,AG-GT
5680685,5680918,234,START: end 7 GT
5681303,5681726,424,EXACT,AG-GT
5682169,5682799,631,EXACT,AG-GT
5683122,5683384,263,START: end -6 GT
5683916,5684593,678
ID=NCLIV_051450 - 8 GTGATGA
5687637,5687783,147,END:Starts:5687566-5687482-5687543-
5688338,5688482,145,EXACT,AG-GT
5688969,5689182,214,START: end 22 GT
5689742,5690187,446
5690631,5690707,77
5690869,5690968,100
5691326,5691567,242
5692405,5692545,141
ID=NCLIV_051510 - 15 A..ATG
5763956,5764006,51,END:Starts:5763532-5761300-5763520-
5764336,5764545,210,EXACT,AG-GT
5765446,5765596,151,EXACT,AG-GT
5766713,5766834,122,EXACT,AG-GT

5767362,5767453,92,EXACT,AG-GT
 5767587,5767809,223,EXACT,AG-GT
 5768080,5768286,207,EXACT,AG-GT
 5768590,5768829,240,EXACT,AG-GT
 5769307,5769639,333,EXACT,AG-GT
 5770004,5770128,125,EXACT,AG-GT
 5770555,5770848,294,EXACT,AG-GT
 5770970,5771325,356,EXACT,AG-GT
 5771739,5772265,527,EXACT,AG-GT
 5772700,5773176,477,EXACT,AG-GT
 5773471,5773575,105,START:EXACT
 ID=NCLIV_051550 - 2 GCAATGA
 5805730,5806748,1019,END:EXACT
 5807178,5808240,1063,START:Ends:5809050-5809039-5809036-
 ID=NCLIV_051570 - 1 A..ATG
 5813541,5814713,1173
 ID=NCLIV_051600 - 4 TCTATGG
 5827608,5827811,204,END:Starts:5827260-5827151-
 5828045,5828282,238,EXACT,AG-GT
 5829149,5829854,706,EXACT,AG-GT
 5830048,5831188,1141,START:Ends:5831951-5831428-
 ID=NCLIV_051610 - 2 A..ATG
 5833964,5834109,146,END:Starts:5833433-5833437-
 5834739,5834799,61,START:Ends:5836336-5834800-
 ID=NCLIV_051630 - 13 A..ATG
 5845504,5845599,96
 5845727,5845855,129
 5846125,5846180,56
 5846497,5846603,107
 5847239,5847342,104
 5847771,5847864,94
 5848326,5848360,35
 5848734,5848809,76
 5849123,5849207,85
 5849459,5849528,70
 5849986,5850075,90,EXACT,AG
 5850869,5851129,261,START: end -2 GT
 5851598,5852476,879
 ID=NCLIV_051650 - 10 A..ATG
 5858790,5859074,285,END:Starts:5858004-5858688-
 5859625,5859856,232,EXACT,AG-GT
 5860292,5860416,125,EXACT,TAG|TGA|TAA:AG-GT
 5860872,5860987,116,EXACT,AG-GT
 5861608,5863275,1668,START: end -15 GT
 5863809,5864665,857
 5865423,5865582,160,END: start 65 AG
 5866146,5866235,90,EXACT,AG-GT
 5866629,5866752,124,EXACT,AG-GT
 5867023,5867424,402
 ID=NCLIV_051670 - 3 A..ATG
 5873073,5874823,1751
 5875282,5875478,197
 5875725,5876224,500
 ID=NCLIV_051680 - 4 A..ATG
 5878041,5878713,673,END:Starts:5877155-5877173-5877757-
 5879124,5879581,458,EXACT,ATG:AG-GT
 5880067,5880564,498,START: end 6 GT
 5881106,5882083,978,WITHIN:Starts:5880970-5881113-5881211-
 ID=NCLIV_051690 - 7 A..ATG
 5885904,5886259,356,END:Starts:5884753-5884635-5885016-

5886988,5887146,159,END: start -20 AG-GT
5887831,5887905,75,START: end 95 GT
5888131,5888337,207,END: start -3 AG
5888768,5888961,194,EXACT,AG-GT
5889488,5889604,117,START: end 2423 GT
5890568,5890596,29,OVER:Ends:5890076-5892027-
ID=NCLIV_051700 - 4 A..ATG
5894997,5895938,942,END:Starts:5893463-5893477-
5896138,5896242,105,EXACT,AG-GT
5896491,5896655,165,START: end -63 GT
5896994,5897041,48
ID=NCLIV_051710 - 14 A..ATG
5903107,5904435,1329,END:Starts:5902970-5902959-5902859-
5904592,5904676,85,EXACT,AG-GT
5905338,5905485,148,EXACT,AG-GT
5905869,5905946,78,EXACT,AG-GT
5906299,5906587,289,EXACT,AG-GT
5906819,5907102,284,EXACT,AG-GT
5907659,5907766,108,EXACT,ATG:AG-GT
5908127,5908177,51,EXACT,AG-GT
5908620,5909064,445,EXACT,AG-GT
5909509,5909862,354,END: start 84 ATG:AG-GT (ref:AC-GT)<< Possible error
5910206,5910488,283,EXACT,AG-GT
5910845,5911028,184,EXACT,ATG:AG-GT
5911394,5911520,127,START: end -29 GT
5912282,5912803,522
ID=NCLIV_051730 - 14 A..ATG
5924795,5924859,65
5925246,5925312,67
5925432,5925743,312
5926151,5926368,218
5926822,5927128,307
5927474,5927805,332
5928316,5928383,68
5928682,5929019,338
5929357,5929615,259
5929910,5930174,265
5931624,5931727,104
5931901,5932124,224
5932378,5932555,178
5932937,5933079,143
ID=NCLIV_051750 - 13 A..ATG
5944734,5944850,117,END:Starts:5944051-5943764-
5945408,5945548,141,START: end -108 GT
5945768,5946022,255,EXACT,AG-GT
5946253,5947125,873,START: end -49 GT
5947756,5947852,97
5948397,5949133,737,EXACT,AG
5949861,5950299,439
5950759,5950838,80
5951353,5952843,1491
5953372,5953704,333
5954198,5955617,1420
5955880,5961414,5535
5961724,5962256,533
ID=NCLIV_051760 - 15 A..ATG
5964919,5967558,2640,END:Starts:5965155-5964229-
5968122,5968347,226,EXACT,AG-GT
5968786,5969117,332,EXACT,AG-GT
5969355,5970434,1080,START: end -304 GT

5970802,5971208,407,START: end 617 AG-GT
 5971480,5971825,346,END: start -678 AG-GT
 5972073,5972685,613,START: end -485 GT
 5972950,5973421,472,END: start -3 AG
 5973792,5974145,354,START: end 47 GT
 5974450,5974975,526
 5975452,5975552,101
 5976013,5976145,133
 5976820,5976962,143
 5977292,5978201,910,END: start 128 AG
 5978697,5980583,1887,START:Ends:5979002-5979411-
 ID=NCLIV_051780 - 3 [CT]..ATG[ACT]
 5993687,5994581,895,END:EXACT
 5995072,5995742,671,EXACT,AG-GT
 5996091,5999153,3063,START:Ends:6000014-5996570-
 ID=NCLIV_051800 - 12 GAAATGC
 6011018,6011181,164
 6011522,6011566,45,END: start 8 AG
 6011973,6012023,51,EXACT,AG-GT
 6012374,6012407,34,EXACT,AG-GT
 6012985,6013332,348,EXACT,AG-GT
 6013838,6013897,60,EXACT,AG-GT
 6014428,6014574,147,EXACT,AG-GT
 6014728,6014816,89,EXACT,AG-GT
 6015307,6015441,135,EXACT,AG-GT
 6015679,6015737,59,EXACT,AG-GT
 6016261,6016429,169,EXACT,AG-GT
 6016972,6018979,2008,START:Ends:6019326-6019300-
 ID=NCLIV_051830 - 5 GCGATGC
 6033520,6033637,118,END:Starts:6033114-6033051-
 6033794,6033903,110,EXACT,AG-GT
 6034322,6034428,107,START: end 65 GT
 6034924,6035069,146
 6035536,6035702,167
 ID=NCLIV_051850 - 1 G..ATGG
 6041021,6043369,2349
 ID=NCLIV_051900 - 8 G..ATGG
 6087561,6087623,63
 6088168,6088378,211
 6088957,6089022,66
 6089536,6089780,245
 6090036,6090337,302
 6090729,6090991,263
 6091336,6091492,157
 6092405,6092417,13
 ID=NCLIV_051920 - 3 A..ATG
 6104302,6104720,419,END:Starts:6102308-6102253-6102241-
 6105271,6105483,213,START: end 1 GT
 6105856,6108058,2203
 ID=NCLIV_051940 - 4 A..ATG
 6124136,6124264,129,END:Starts:6123626-6120039-
 6124494,6125833,1340,OVER: start -3 and end 226 AG
 6125933,6126059,127,END: start -1442 AG
 6126364,6126909,546
 ID=NCLIV_051960 - 1 A..ATG
 6140284,6140697,414
 ID=NCLIV_052010 - 2 A..ATG
 6183014,6185873,2860,END:Starts:6181641-6182735-
 6186162,6186733,572,START:Ends:6189725-6188850-
 ID=NCLIV_052020 - 5 A..ATG

6193423,6193521,99,END:Starts:6191999-6192019-6192017-
6194047,6194136,90,EXACT,AG-GT
6194473,6202261,7789,START: end -3138 GT
6202662,6204963,2302,EXACT,AG-GT
6205367,6205436,70,START:Ends:6206354-6205689-6206369-
ID=NCLIV_052040 - 10 GACATGA
6216554,6216656,103,END:Starts:6215926-6215916-6215996-
6217094,6217175,82,EXACT,AG-GT
6217475,6217531,57,START: end 3 GT
6218070,6218152,83,END: start 11 AG
6218516,6218584,69,EXACT,AG-GT
6218863,6219014,152,EXACT,AG-GT
6219619,6219736,118,EXACT,AG-GT
6220163,6220495,333,START: end -78 AG-GT (ref:AC-GT)<< Possible error
6221057,6221174,118,START: end 1040 GT
6221532,6221703,172,OVER:Ends:6222214-6222144-6223391-
ID=NCLIV_052060 - 13 TACATGG
6239632,6240072,441
6240348,6240594,247
6241380,6241584,205
6242036,6242143,108
6242731,6242894,164
6243218,6244059,842
6244466,6244789,324
6245046,6245621,576
6245837,6246062,226
6246430,6246490,61
6247223,6247352,130
6248189,6248275,87
6248530,6248574,45
ID=NCLIV_052070 - 7 A..ATG
6251955,6251986,32,END:Starts:6251773-6251720-6251782-
6252193,6252268,76,EXACT,AG-GT
6252525,6252662,138,EXACT,AG-GT
6252903,6253006,104,EXACT,AG-GT
6253441,6253506,66,EXACT,AG-GT
6253980,6254125,146,EXACT,AG-GT
6254534,6254550,17,START:Ends:6255445-6254870-6254574-
ID=NCLIV_052080 - 3 G..ATGG
6258255,6258451,197,END:Starts:6257534-6257517-6256505-
6258651,6258764,114,EXACT,AG-GT
6259190,6259400,211,START:Ends:6260479-6260477-6260745-
ID=NCLIV_052090 - 13 A..ATG
6261801,6262104,304
6262207,6262219,13
6262397,6262532,136
6263167,6265125,1959
6265781,6266013,233
6266470,6267007,538
6267374,6267769,396
6268216,6268628,413
6268842,6269467,626
6269779,6270175,397
6271059,6271383,325
6271570,6273961,2392
6274356,6275791,1436
ID=NCLIV_052110 - 3 A..ATG
6283533,6285269,1737
6285635,6285737,103
6286277,6289281,3005

ID=NCLIV_052140 - 2 A..ATG
6301413,6302209,797,END:Starts:6300526-6300511-6300384-
6302423,6307328,4906,START:Ends:6310693-6311233-

ID=NCLIV_052160 - 10 A..ATG
6322123,6322155,33,END:Starts:6321644-6321745-
6322694,6322774,81,EXACT,AG-GT
6323173,6323239,67,START: end 666 AG-GT
6323823,6323905,83,END: start -650 AG-GT
6324186,6324390,205,EXACT,AG-GT
6324849,6325077,229,EXACT,AG-GT
6325376,6325492,117,EXACT,AG-GT
6325903,6325999,97,EXACT,AG-GT
6326645,6326769,125,EXACT,AG-GT
6327143,6327791,649,START:Ends:6329231-6329045-6328824-

ID=NCLIV_052180 - 3 A..ATG
6345168,6345887,720,END:Starts:6345019-6344911-6344598-
6346202,6346507,306,EXACT,AG-GT
6346929,6347924,996,OVER:Ends:6349097-6348897-

ID=NCLIV_052200 - 9 G..ATGG
6355933,6356088,156
6356676,6356810,135
6356934,6356999,66
6357496,6357594,99
6358082,6358169,88
6358822,6358961,140
6359365,6359510,146,END: start -71 AG
6360083,6360497,415,EXACT,AG-GT
6360997,6361887,891,START:Ends:6362912-6361650-

ID=NCLIV_052220 - 35 GCAATGC
6370268,6370398,131,END:Starts:6367414-6369426-6368208-
6371159,6371254,96,EXACT,AG-GT
6371530,6371784,255,EXACT,AG-GT
6373001,6373103,103,EXACT,AG-GT
6373363,6373507,145,EXACT,AG-GT
6373882,6374011,130,EXACT,AG-GT
6374508,6374557,50,EXACT,AG-GT
6375162,6375298,137,EXACT,AG-GT
6375939,6376100,162,EXACT,AG-GT
6376789,6377020,232,START: end -19 GT
6377654,6377748,95,END: start 4 AG (ref:AC-GT)<< Possible error
6378224,6378321,98,EXACT,AG-GT
6378568,6378975,408,EXACT,TAG|TGA|TAA:AG-GT
6379626,6380017,392,EXACT,AG-GT
6380296,6380412,117,EXACT,AG-GT
6381104,6381197,94,START: end 67 GT
6381775,6381862,88,END: start 7 AG-GC
6382196,6382327,132,EXACT,AG-GT
6382646,6382686,41,EXACT,AG-GT
6383324,6383435,112,EXACT,AG-GT
6383840,6383919,80,EXACT,AG-GT
6384300,6384459,160,EXACT,AG-GT
6384666,6384749,84,EXACT,AG-GT
6385036,6385125,90,EXACT,AG-GT
6385784,6385932,149,EXACT,AG-GT
6386976,6387104,129,EXACT,AG-GT
6387556,6387672,117,EXACT,AG-GT
6388130,6388210,81,EXACT,AG-GT
6388470,6388576,107,EXACT,AG-GT
6388959,6389065,107,START: end 3 GT
6389465,6389569,105,EXACT,AG

6389878,6390230,353,EXACT,AG-GT
 6390773,6390929,157,EXACT,AG-GT
 6391402,6391508,107,EXACT,GT
 6391873,6391960,88
 ID=NCLIV_052260 - 13 A..ATG
 6421599,6422032,434
 6422511,6422718,208
 6422896,6422933,38
 6424585,6424875,291
 6425403,6425456,54
 6425999,6426103,105
 6426954,6427349,396
 6427744,6428229,486
 6428793,6428932,140
 6431696,6432716,1021,END: start -809 AG
 6433116,6433685,570
 6433839,6434783,945
 6435202,6435349,148
 ID=NCLIV_052270 - 3 [CT]..ATG[ACT]
 6445051,6445148,98,END:Starts:6444211-6444235-6444161-
 6445530,6445640,111,EXACT,ATG:AG-GT
 6445905,6446013,109,START:Ends:6446580-6446584-6446592-
 ID=NCLIV_052300 - 1 A..ATG
 6460885,6463404,2520
 ID=NCLIV_052310 - 3 A..ATG
 6466580,6466645,66,END:Starts:6466031-6466094-6466042-
 6466785,6466881,97,EXACT,AG-GT
 6466999,6467057,59,START:Ends:6467109-6468873-6467123-
 ID=NCLIV_052340 - 4 A..ATG
 6472718,6472870,153,END:Starts:6472518-6472546-6472599-
 6473531,6473674,144,EXACT,AG-GT
 6474139,6474319,181,EXACT,AG-GT
 6474736,6474950,215,START:Ends:6475820-6475790-6475797-
 ID=NCLIV_052350 - 4 GCCATGC
 6478188,6478509,322,END:Starts:6477360-6477383-6477327-
 6479070,6479234,165,EXACT,AG-GT
 6480601,6480811,211,EXACT,AG-GT
 6481696,6481732,37,START:Ends:6484316-6482009-6482102-
 ID=NCLIV_052360 - 7 TCCATGG
 6484621,6485579,959
 6485843,6485936,94,END: start -484 AG
 6486370,6486584,215,EXACT,AG-GT
 6486720,6486974,255,EXACT,AG-GT
 6487683,6487863,181,EXACT,AG-GT
 6488377,6488569,193,START: end -12 GT
 6489163,6489359,197,WITHIN:Starts:6489203-6489160-6489176-
 ID=NCLIV_052380 - 2 A..ATG
 6498193,6498240,48,END:Starts:6497896-6497902-6497890-
 6499187,6499546,360,START:Ends:6499777-6499766-6499883-
 ID=NCLIV_052400 - 4 A..ATG
 6503832,6504595,764,END:Starts:6500828-6503211-6501534-
 6504896,6505025,130,EXACT,AG-GT
 6505251,6505364,114,EXACT,AG-GT
 6505689,6506180,492,START:Ends:6506370-6506341-6506417-
 ID=NCLIV_052430 - 7 CTAATGG
 6519452,6519524,73,END:Starts:6518520-6518134-6518284-
 6519699,6519742,44,EXACT,AG-GT
 6520017,6520469,453,START: end 9 AG-GT (ref:AC-GT)<< Possible error
 6520888,6521100,213,START: end 13 GT
 6521601,6521937,337

6522175,6522857,683
6523606,6524937,1332
ID=NCLIV_052440 - 1 GCAATGC
6526684,6528078,1395
ID=NCLIV_052460 - 1 A..ATG
6534197,6534601,405
ID=NCLIV_052470 - 4 A..ATG
6536850,6537577,728
6538013,6539522,1510
6540070,6540143,74
6540543,6542415,1873
ID=NCLIV_052490 - 3 A..ATG
6550653,6551168,516,END:Starts:6548929-6548958-
6551590,6552874,1285,EXACT,AG-GT
6553062,6555412,2351,START:Ends:6553430-6554138-
ID=NCLIV_052500 - 9 GAAATGC
6559599,6559682,84,END:Starts:6558468-6558411-6558469-
6560123,6560194,72,EXACT,AG-GT
6560729,6560849,121,EXACT,AG-GT
6561158,6561279,122,EXACT,AG-GT
6561678,6561763,86,EXACT,AG-GT
6561930,6561962,33,EXACT,AG-GT
6562191,6562343,153,EXACT,AG-GT
6562476,6562592,117,START: end 503 GT
6562761,6562872,112,OVER:Ends:6563095-6563091-6563157-
ID=NCLIV_052510 - 3 G..ATGG
6565736,6565800,65,END:Starts:6565403-6565170-6565158-
6566423,6566532,110,EXACT,AG-GT
6567080,6567240,161,START:EXACT
ID=NCLIV_052530 - 5 A..ATG
6578351,6578435,85,END:Starts:6577979-6577995-6578036-
6578800,6578953,154,EXACT,AG-GT
6579322,6579719,398,EXACT,AG-GT
6580208,6581074,867,EXACT,AG-GT
6581431,6584486,3056,START:Ends:6585559-6583247-6586483-
ID=NCLIV_052550 - 1 A..ATG
6592454,6597667,5214
ID=NCLIV_052560 - 2 A..ATG
6600963,6601104,142
6601756,6602327,572
ID=NCLIV_052580 - 9 A..ATG
6616015,6616928,914,END:Starts:6615829-6616614-
6617370,6617528,159,EXACT,AG-GT
6618101,6618236,136,EXACT,AG-GT
6618842,6620311,1470,START: end -8 GT
6620506,6620604,99,END: start -4 Info:AG-GT-Stop Codon:AG-GT-
6621180,6621990,811,START: end -356 GT
6622416,6623015,600,END: start 170 AG
6623869,6623986,118,EXACT,GT
6624567,6628878,4312
ID=NCLIV_052610 - 11 A..ATG
6651673,6651710,38,END:Starts:6650943-6651008-6650949-
6652217,6652446,230,EXACT,AG-GT
6653087,6653145,59,EXACT,AG-GT
6653907,6654032,126,EXACT,AG-GT
6654366,6654412,47,EXACT,AG-GT
6655260,6655442,183,EXACT,AG-GT
6656089,6656194,106,EXACT,AG-GT
6656816,6657001,186,EXACT,AG-GT
6657401,6657594,194,EXACT,AG-GT

6658531,6658790,260,EXACT,AG-GT
6659615,6659826,212,START:Ends:6660537-6660573-
ID=NCLIV_052630 - 1 A..ATG
6664974,6666014,1041
ID=NCLIV_052640 - 1 GAAATGA
6667662,6668693,1032
ID=NCLIV_052650 - 1 A..ATG
6671014,6672048,1035
ID=NCLIV_052660 - 1 A..ATG
6674301,6675338,1038
ID=NCLIV_052670 - 1 A..ATG
6677683,6678762,1080
ID=NCLIV_052680 - 1 A..ATG
6680408,6681451,1044
ID=NCLIV_052690 - 1 GCCATGA
6683737,6684789,1053
ID=NCLIV_052700 - 1 A..ATG
6687078,6688121,1044
ID=NCLIV_052710 - 1 A..ATG
6689839,6690885,1047
ID=NCLIV_052720 - 1 GAAATGA
6693309,6694349,1041
ID=NCLIV_052730 - 1 A..ATG
6696623,6697660,1038
ID=NCLIV_052740 - 1 TTGATGG
6699901,6700893,993
ID=NCLIV_052750 - 1 A..ATG
6703232,6704269,1038
ID=NCLIV_052760 - 1 G..ATGG
6706689,6707753,1065
ID=NCLIV_052761 - 1 A..ATG
6710030,6711112,1083
ID=NCLIV_052770 - 4 A..ATG
6714151,6714644,494,END:EXACT
6714877,6714965,89,EXACT,AG-GT
6715426,6715640,215,EXACT,AG-GT
6716111,6717145,1035,START:Ends:6717847-6717907-6717856-
ID=NCLIV_052800 - 2 A..ATG
6747946,6748275,330
6748820,6749398,579
ID=NCLIV_052810 - 2 A..ATG
6750950,6751476,527
6752069,6752621,553
ID=NCLIV_052820 - 2 [CT]..ATG[ACT]
6754978,6755489,512
6756154,6756718,565
ID=NCLIV_052830 - 2 [CT]..ATG[ACT]
6758916,6759430,515
6760045,6760609,565
ID=NCLIV_052840 - 2 A..ATG
6762807,6763321,515
6763936,6764500,565
ID=NCLIV_052860 - 9 CAAATGG
6786652,6787495,844
6787654,6788172,519
6788591,6788694,104
6789228,6789310,83
6789635,6789727,93
6790011,6790197,187
6790567,6793202,2636,WITHIN: start 7 and end -1155 NONE

6793474,6793678,205
6794121,6797750,3630
ID=NCLIV_052880 - 1 G..ATGG
6816507,6817088,582
ID=NCLIV_052890 - 2 A..ATG
6819032,6819145,114,END:Starts:6818704-
6819689,6822373,2685,START:Ends:6825950-6830474-
ID=NCLIV_052910 - 20 A..ATG
6835425,6835622,198,END:Starts:6834740-6834792-6834781-
6836111,6836259,149,EXACT,AG-GT
6836584,6836762,179,EXACT,AG-GT
6837206,6837351,146,START: end 230 AG-GT
6837531,6837581,51,END: start -325 AG-GT
6838061,6838111,51,EXACT,ATG:AG-GT
6838413,6838748,336,EXACT,AG-GT
6839223,6839358,136,EXACT,AG-GT
6839879,6839954,76,EXACT,AG-GT
6840230,6840404,175,EXACT,AG-GT
6840786,6840901,116,EXACT,AG-GT
6841455,6841554,100,EXACT,TAG|TGA|TAA:AG-GT
6841862,6842060,199,EXACT,AG-GT
6842204,6842351,148,EXACT,TAG|TGA|TAA:AG-GT
6842663,6842735,73,EXACT,AG-GT
6842988,6843079,92,EXACT,ATG:AG-GT
6843688,6843769,82,EXACT,AG-GT
6844209,6844285,77,START: end 5 GT
6844853,6845028,176,END: start -116 AG
6845557,6845705,149,START:Ends:6846454-6846416-
ID=NCLIV_052920 - 14 GCGATGT
6848769,6849804,1036,END:Starts:6848229-6848563-6846635-
6850269,6851225,957,EXACT,AG-GT
6851661,6851869,209,EXACT,GT
6852339,6852455,117,EXACT,AG-GT
6852770,6852869,100,EXACT,AG-GT
6853104,6853334,231,EXACT,AG-GT
6853666,6853970,305,START: end 24 GT
6854175,6854981,807,END: start 556 AG
6855445,6855725,281,EXACT,AG-GT
6856313,6856577,265,START: end 411 GT
6856915,6857033,119
6857521,6857823,303,END: start 275 AG
6858840,6859056,217,START: end 2561 GT
6859541,6860176,636,OVER:Ends:6859056-6861617-
ID=NCLIV_052970 - 1 CCGATGG
6889739,6891241,1503
ID=NCLIV_052980 - 6 G..ATGG
6894752,6894969,218,END:Starts:6893876-6894022-6893979-
6895326,6895602,277,EXACT,AG-GT
6895905,6896046,142,EXACT,AG-GT
6896489,6896608,120,EXACT,AG-GT
6897156,6897325,170,EXACT,AG-GT
6897636,6897887,252,START:Ends:6898495-6898509-6898497-
ID=NCLIV_052990 - 4 GAGATGC
6900397,6900567,171,END:Starts:6899366-6898799-
6901076,6901135,60,EXACT,AG-GT
6901407,6901640,234,EXACT,AG-GT
6902202,6902318,117,START:EXACT
ID=NCLIV_053010 - 8 A..ATG
6914871,6915023,153,END:Starts:6913147-6914274-6913722-
6915629,6915790,162,EXACT,AG-GT

6916135,6916215,81,START: end 6 GT
6916690,6916785,96,START: end -90 GT
6917616,6918947,1332
6919420,6920061,642
6920280,6920390,111
6920602,6922206,1605
ID=NCLIV_053030 - 2 A..ATG
6939059,6939546,488,END:Starts:6938581-6939259-
6939670,6939976,307,START:Ends:6940204-6940372-6940294-
ID=NCLIV_053070 - 8 A..ATG
6956624,6957640,1017,END:Starts:6955924-6954073-6955889-
6958228,6958327,100,EXACT,AG-GT
6958590,6958851,262,START: end 3 GT
6959284,6959569,286,EXACT,AG
6959993,6960091,99,START: end 4 GT
6960434,6960549,116,END: start 7 AG (ref:AC-GT)<< Possible error
6960920,6961006,87,EXACT,AG-GT
6961435,6964192,2758,START:Ends:6964785-6964382-6964810-
ID=NCLIV_053090 - 1 [CT]..ATG[ACT]
6973521,6974321,801,OVER:Starts:6973260-6973310-
ID=NCLIV_053100 - 1 A..ATG
6975605,6976771,1167,WITHIN:Ends:6977760-6976485-

CHROMOSOME XI – FORWARD

ID=NCLIV_053120 + 19 A..ATG
3599,4003,405
4816,5530,715,END: start 11 GT
6010,6153,144,START: end 13 AG
6516,7023,508
7376,7782,407,END: start 5 GT
8131,8331,201,EXACT,AG-GT
8778,8893,116,EXACT,AG-GT
9891,11182,1292,START: end -78 AG
11987,12774,788
14139,15007,869,EXACT,AG-GT
15192,15837,646,EXACT,AG-GT
15955,16108,154,EXACT,AG-GT
16766,16843,78,END: start -122 GT
17113,17997,885,EXACT,AG-GT
18419,18884,466,END: start 2 GT
20144,20242,99,EXACT,AG-GT
20433,20780,348,EXACT,AG-GT
21216,21329,114,EXACT,AG-GT
21869,22237,369,START:Ends:22333-22328-
ID=NCLIV_053130 + 4 A..ATG
23271,23312,42
24077,24410,334,EXACT,GT
24769,25034,266,EXACT,AG-GT
25289,25396,108,START:Ends:25872-25916-
ID=NCLIV_053140 + 3 A..ATG
27589,28078,490,END:Starts:27041-27150-27137-
28513,28721,209,OVER: start -21 and end 4 TAG|TGA|TAA:AG-GT
29234,29428,195,START:Ends:30091-30276-29972-
ID=NCLIV_053150 + 3 A..ATG
32314,32889,576
33506,33760,255
34370,37330,2961
ID=NCLIV_053170 + 4 A..ATG
42421,42595,175,END:EXACT

43031,43297,267,START: end 565 AG-GT (ref:AG-GT)<< Possible error
 43715,43862,148,END: start -684 AG-GT (ref:AG-GT)<< Possible error
 44558,44636,79,OVER:Ends:45274-45287-46645-
 ID=NCLIV_053200 + 2 A..ATG
 63561,64433,873
 64944,67631,2688
 ID=NCLIV_053240 + 15 A..ATG
 92522,92821,300,END:Starts:92140-92017-
 93199,93298,100,EXACT,AG-GT
 93615,93805,191,EXACT,AG-GT
 94046,94207,162,EXACT,ATG:AG-GT
 94511,94575,65,EXACT,AG-GT
 95398,95473,76,EXACT,AG-GT
 95728,95790,63,EXACT,AG-GT
 96115,96162,48,EXACT,AG-GT
 96509,96598,90,EXACT,AG-GT
 97093,97169,77,EXACT,AG-GT
 97976,98030,55,EXACT,AG-GT
 98354,98420,67,EXACT,AG-GT
 98907,99002,96,EXACT,AG-GT
 99451,99522,72,EXACT,AG-GT
 100005,100111,107,START:Ends:104803-103957-
 ID=NCLIV_053250 + 2 A..ATG
 103623,104779,1157
 105007,105745,739
 ID=NCLIV_053260 + 1 G..ATGG
 110851,114957,4107
 ID=NCLIV_053270 + 17 A..ATG
 119177,119318,142,OVER:Starts:118828-118866-
 119802,120206,405
 120399,120826,428,END: start 1 GT
 121279,121420,142,EXACT,AG-GT
 121621,121735,115,START: end -7 AG
 122304,123072,769,END: start -3 GT (ref:AG-GT)<< Possible error
 123403,123900,498,START: end -3 AG
 124780,124882,103,END: start -582 GT (ref:AG-GT)<< Possible error
 125048,125184,137,EXACT,AG-GT
 125571,125724,154,EXACT,AG-GT
 125959,126066,108,EXACT,AG-GT
 126491,126629,139,EXACT,AG-GT
 127098,127198,101,EXACT,AG-GT
 127770,127935,166,EXACT,AG-GT
 128078,128253,176,EXACT,AG-GT
 128525,128769,245,EXACT,AG-GT
 129113,129226,114,START:Ends:130604-130613-130675-
 ID=NCLIV_053290 + 9 TCGATGG
 137450,140726,3277,END:Starts:134185-135897-133928-
 141340,141491,152,EXACT,AG-GT
 142003,142149,147,EXACT,AG-GT
 142584,142802,219,EXACT,AG-GT
 143333,143539,207,EXACT,AG-GT
 143699,143929,231,EXACT,AG-GT
 145116,145209,94,EXACT,AG-GT
 145438,145514,77,EXACT,AG-GT
 146328,146546,219,START:Ends:146573-146941-146362-
 ID=NCLIV_053300 + 3 [CT]..ATG[ACT]
 151975,152240,266
 153124,153178,55
 153639,153836,198
 ID=NCLIV_053310 + 1 GATATGA

157273,157974,702
 ID=NCLIV_053320 + 3 CAAATGG
 161303,161464,162
 161974,162086,113
 162534,164367,1834
 ID=NCLIV_053340 + 4 A..ATG
 174915,175232,318
 175763,176580,818,END: start -266 GT
 177225,177663,439,EXACT,AG-GT
 178006,178602,597,START:EXACT
 ID=NCLIV_053360 + 14 G..ATGG
 193764,195185,1422,END:Starts:192679-192671-193115-
 195634,198771,3138,EXACT,AG-GT
 199202,199798,597,EXACT,AG-GT
 200065,201993,1929,EXACT,AG-GT
 202409,202729,321,START: end -49 AG-GT
 203254,203458,205,EXACT,ATG:AG-GT
 203763,203952,190,EXACT,AG-GT
 204170,204250,81,EXACT,AG-GT
 204767,205098,332,EXACT,AG-GT
 205507,205690,184,START: end 36 AG-GT (ref:AG-GT)<< Possible error
 206141,206264,124,EXACT,AG-GT
 206649,206957,309,EXACT,AG-GT
 207418,207753,336,START: end 121 AG
 208159,208968,810
 ID=NCLIV_053380 + 3 A..ATG
 221700,221866,167,END:Starts:220799-220861-220910-
 222423,222614,192,EXACT,AG-GT
 223139,223160,22,START:Ends:223325-223365-223372-
 ID=NCLIV_053390 + 7 A..ATG
 226706,226787,82
 227264,229641,2378
 230199,230616,418,END: start 44 GT
 231525,231655,131,EXACT,AG-GT
 232194,232253,60,EXACT,AG-GT
 232961,233080,120,END: start 36 AG-GT
 233634,233714,81,START:EXACT
 ID=NCLIV_053400 + 1 A..ATG
 236306,238102,1797
 ID=NCLIV_053420 + 1 A..ATG
 264465,265493,1029
 ID=NCLIV_053470 + 1 G..ATGG
 291968,294085,2118
 ID=NCLIV_053520 + 8 G..ATGG
 317683,318102,420
 318469,319039,571,END: start -4 GT
 319511,320298,788,START: end -98 AG
 320877,321128,252
 321615,322273,659,END: start -33 GT (ref:AG-GT)<< Possible error
 322617,323604,988,EXACT,AG-GT
 323960,324019,60,EXACT,AG-GT
 324418,324555,138,START:Ends:325069-325846-325763-
 ID=NCLIV_053530 + 3 A..ATG
 327112,328846,1735,END:Starts:326461-326308-328648-
 329202,329302,101,EXACT,AG-GT
 329654,329761,108,START:EXACT
 ID=NCLIV_053570 + 3 [CT]..ATG[ACT]
 356553,357910,1358,END:Starts:357336-354095-
 358213,358615,403,EXACT,AG-GT
 358926,360494,1569,START:Ends:361003-361029-

ID=NCLIV_053590 + 9 A..ATG
367182,367793,612,END:Starts:365547-365549-365590-
368142,368506,365,EXACT,AG-GT
368758,368893,136,EXACT,AG-GT
369244,369610,367,EXACT,AG-GT
370004,370479,476,START: end 367 AG-GT
370728,370846,119,END: start -724 AG-GT
371226,371303,78,EXACT,AG-GT
372192,372335,144,EXACT,AG-GT
372859,372970,112,START:Ends:373409-373026-374600-
ID=NCLIV_053620 + 7 A..ATG
392476,392943,468,END:Starts:391006-390969-391049-
393590,393755,166,EXACT,AG-GT
394186,394336,151,EXACT,TAG|TGA|TAA:AG-GT
394755,394823,69,EXACT,AG-GT
395315,395505,191,EXACT,AG-GT
396276,396492,217,EXACT,AG-GT
396776,397946,1171,START:EXACT
ID=NCLIV_053630 + 1 TCCATGG
402467,405451,2985
ID=NCLIV_053660 + 7 [CT]..ATG[ACT]
419733,419838,106
421351,425190,3840,END: start -203 AG-GT (ref:AG-GT)<< Possible error
425694,425815,122,EXACT,AG-GT
426318,426440,123,EXACT,AG-GT
427181,427240,60,EXACT,AG-GT
427854,428007,154,EXACT,AG-GT
428313,428461,149,START:Ends:428836-428879-436353-
ID=NCLIV_053680 + 1 CAGATGG
447351,449348,1998
ID=NCLIV_053700 + 3 A..ATG
460370,460644,275,OVER:Ends:460644-461250-460765-
460973,461250,278,EXACT,Info:ATG:AG-GT-AG-GT-
461772,462151,380,START:Ends:462272-462289-
ID=NCLIV_053710 + 1 A..ATG
463992,464621,630
ID=NCLIV_053740 + 2 A..ATG
490447,491014,568,END:Starts:490013-490028-489949-
491369,492039,671,START:Ends:493041-493055-493757-
ID=NCLIV_053760 + 1 A..ATG
510245,513526,3282
ID=NCLIV_053800 + 2 A..ATG
548719,549375,657
549692,549940,249
ID=NCLIV_053810 + 3 G..ATGG
552418,552581,164,END:Starts:551714-551860-551882-
553209,553336,128,EXACT,AG-GT
553861,554366,506,START:Ends:555773-555797-555685-
ID=NCLIV_053830 + 11 A..ATG
560728,560732,5
561395,561553,159
562186,562282,97
562519,562654,136
563466,563594,129
563849,564012,164
564405,564705,301
565506,565619,114
565962,566031,70,END: start -107 GT
566507,566569,63,EXACT,AG-GT
567061,567253,193,START:EXACT

ID=NCLIV_053840 + 1 A..ATG
 570670,571737,1068
 ID=NCLIV_053850 + 1 [CT]..ATG[ACT]
 576430,579384,2955
 ID=NCLIV_053880 + 4 A..ATG
 593661,594292,632,END:Starts:592102-592912-593333-
 594635,594717,83,EXACT,AG-GT
 595295,595872,578,EXACT,AG-GT
 596425,596619,195,START:Ends:600550-600549-603860-
 ID=NCLIV_053910 + 5 A..ATG
 612515,612806,292,END:EXACT
 613207,613418,212,EXACT,AG-GT
 613794,613887,94,EXACT,AG-GT
 614264,614398,135,EXACT,AG-GT
 615082,615134,53,START:Ends:615578-615605-615839-
 ID=NCLIV_053920 + 6 A..ATG
 617527,617661,135,END:Starts:616917-616899-616970-
 617958,618147,190,EXACT,AG-GT
 618607,618777,171,START: end 1 AG
 619105,619221,117
 619499,619602,104
 619862,619978,117
 ID=NCLIV_053950 + 3 A..ATG
 634358,634435,78,OVER:Starts:634041-634159-634932-
 634932,635217,286,END: start -773 GT (ref:AG-GT)<< Possible error
 635800,635963,164,START:EXACT
 ID=NCLIV_053990 + 1 G..ATGG
 659480,661963,2484
 ID=NCLIV_054000 + 1 A..ATG
 664826,668731,3906
 ID=NCLIV_054020 + 4 A..ATG
 684668,685825,1158
 686305,686433,129,EXACT,Code:INTERNAL-
 686727,689831,3105,EXACT,AG-GT
 690024,694916,4893,START:Ends:695871-695858-696233-
 ID=NCLIV_054040 + 5 [CT]..ATG[ACT]
 710062,710647,586,END:Starts:708114-708923-
 711113,711458,346,EXACT,AG-GT
 712299,712382,84,EXACT,AG-GT
 713088,713175,88,START: end 188 AG
 713458,713556,99
 ID=NCLIV_054060 + 10 GAAATGT
 725785,725967,183,END:Starts:724539-724527-
 726630,726714,85,EXACT,AG-GT
 727597,727760,164,EXACT,AG-GT
 728029,728554,526,EXACT,TAG|TGA|TAA:AG-GT
 728706,729394,689,EXACT,AG-GT
 729675,729743,69,EXACT,AG-GT
 729981,730154,174,EXACT,AG-GT
 730632,730957,326,END: start -102 AG-GT (ref:AG-GT)<< Possible error
 731450,731643,194,EXACT,AG-GT
 732164,732294,131,START:Ends:732842-732754-732690-
 ID=NCLIV_054070 + 4 GCCATGA
 734668,734898,231,END:Starts:733898-733891-
 735499,735605,107,EXACT,AG
 736213,736349,137,EXACT,GT
 736853,738201,1349,START:Ends:738331-740107-
 ID=NCLIV_054080 + 3 A..ATG
 741594,743572,1979,END:Starts:740281-740268-740772-
 744127,744623,497,EXACT,AG-GT

744938,745404,467,START:Ends:746497-746251-747220-
ID=NCLIV_054100 + 2 [CT]..ATG[ACT]
792154,792303,150,END:Starts:791699-791725-791724-
792651,792920,270,START:Ends:793477-793508-793466-
ID=NCLIV_054110 + 8 A..ATG
799833,801235,1403,END:Starts:798651-798691-798639-
801516,801648,133,EXACT,AG-GT
802202,802324,123,EXACT,ATG:AG-GT
802699,802817,119,EXACT,AG-GT
803172,803238,67,EXACT,AG-GT
803745,803792,48,EXACT,AG-GT
804100,804396,297,EXACT,AG-GT
805122,805133,12,START:Ends:805673-805767-805688-
ID=NCLIV_054120 + 5 G..ATGG
808524,811085,2562,OVER:Starts:807506-807334-808232-
811693,812038,346,END: start -8 AG-GT (ref:AG-GT)<< Possible error
812492,812601,110,START: end 6 AG-GC (ref:AG-GT)<< Possible error
812856,813087,232,EXACT,AG-GT
813606,813664,59,START:Ends:814300-814222-814172-
ID=NCLIV_054180 + 1 [CT]..ATG[ACT]
839129,840157,1029
ID=NCLIV_054210 + 9 A..ATG
856887,857758,872
858247,858334,88
858768,859012,245
859615,859732,118,OVER: start -5 and end 438 GT
860069,860170,102,END: start -459 GT
860537,860578,42,EXACT,AG-GT
860772,860831,60,EXACT,AG-GT
861170,861280,111,START: end 75 AG
861674,861778,105
ID=NCLIV_054240 + 11 GAGATGT
886039,886986,948
887293,887605,313,END: start -2 GT
887852,887997,146,START: end 275 AG
888371,888604,234,END: start 35 GT
888993,889250,258,EXACT,AG-GT
889630,889770,141,EXACT,AG-GT
890084,890149,66,EXACT,AG-GT
890519,890566,48,EXACT,ATG:AG-GT
890977,891082,106,EXACT,AG-GT
891458,891508,51,EXACT,TAGITGAI TAA:AG-GT
891923,892155,233,START:Ends:892844-892927-895245-
ID=NCLIV_054260 + 7 [CT]..ATG[ACT]
900320,900727,408
901352,901441,90
902074,902331,258
902504,902761,258
903188,903337,150
903582,904206,625
904812,905773,962
ID=NCLIV_054280 + 4 A..ATG
922859,922875,17,END:Starts:922534-922549-922535-
924020,924171,152,EXACT,AG-GT
924503,924559,57,EXACT,AG-GT
924955,924983,29,START:Ends:925398-925452-925456-
ID=NCLIV_054320 + 11 A..ATG
961610,962756,1147,END:Starts:961580-960336-
963782,965623,1842
966063,966173,111,EXACT,ATG:AG-GT

966863,968021,1159,EXACT,AG-GT
 968504,968733,230,EXACT,AG-GT
 969348,970361,1014,EXACT,AG-GT
 970616,970701,86,START: end -7 AG
 971139,971272,134,EXACT,GT
 971991,972120,130,EXACT,AG-GT
 972547,972641,95,EXACT,AG-GT
 973351,973555,205,START:Ends:975231-975284-975169-
 ID=NCLIV_054330 + 1 A..ATG
 980966,982390,1425
 ID=NCLIV_054360 + 9 [CT]..ATG[ACT]
 998383,999525,1143
 1000230,1000529,300
 1000928,1001120,193
 1001463,1001795,333
 1002567,1002685,119
 1003450,1003962,513,END: start 11 GT
 1004479,1004956,478,START: end -260 AG
 1005234,1005448,215
 1005989,1006786,798
 ID=NCLIV_054370 + 4 [CT]..ATG[ACT]
 1015619,1018415,2797,END:Starts:1014612-1014625-1015568-
 1018831,1018896,66,EXACT,AG-GT
 1019223,1019300,78,EXACT,AG-GT
 1020159,1020643,485,START:EXACT
 ID=NCLIV_054390 + 10 A..ATG
 1036778,1037935,1158
 1038339,1038470,132
 1038832,1038918,87
 1039359,1039465,107
 1039964,1040084,121
 1041554,1041695,142,EXACT,AG-GT
 1042313,1042518,206,EXACT,AG-GT
 1042937,1043283,347,EXACT,AG-GT
 1043828,1043896,69,EXACT,AG-GT
 1044663,1044762,100,START:Ends:1045046-1049199-1050235-
 ID=NCLIV_054410 + 9 [CT]..ATG[ACT]
 1050025,1050742,718
 1050871,1050941,71
 1051707,1051975,269
 1052466,1052589,124,END: start 6 GT
 1052975,1053079,105,START: end 424 AG-GT
 1053447,1053503,57,END: start -472 AG-GT
 1053769,1053903,135,EXACT,AG-GT
 1054205,1054437,233,EXACT,AG-GT
 1054630,1054717,88,START:Ends:1055132-1055500-1055571-
 ID=NCLIV_054440 + 4 A..ATG
 1082077,1082279,203,END:Starts:1081475-1081481-1081455-
 1082731,1082803,73,EXACT,AG-GT
 1083490,1083737,248,START: end 25 AG-GT (ref:AG-GT)<< Possible error
 1084222,1084381,160,OVER:Ends:1085095-1085115-1085106-
 ID=NCLIV_054450 + 4 A..ATG
 1093337,1093442,106
 1093854,1094329,476
 1094664,1094742,79
 1094997,1095136,140
 ID=NCLIV_054460 + 7 A..ATG
 1099386,1100252,867
 1100650,1101174,525,EXACT,AG-GT
 1101565,1101689,125,EXACT,AG-GT

1102100,1102155,56,START: end 1547 AG
1102584,1102658,75,END: start -92 GT
1103108,1103172,65,EXACT,AG-GT
1103947,1104033,87,START:Ends:1104870-1104925-
ID=NCLIV_054470 + 5 A..ATG
1108079,1108316,238,END:Starts:1106987-1107013-1107076-
1108788,1108982,195,EXACT,AG-GT
1109471,1109586,116,EXACT,AG-GT
1110089,1110131,43,START: end 183 AG-GC (ref:AG-GT)<< Possible error
1110800,1110972,173,START:Ends:1114434-1114004-1115427-
ID=NCLIV_054485 + 1 GCAATGT
1118250,1119275,1026
ID=NCLIV_054510 + 8 TGCATGG
1131281,1131295,15
1132024,1133208,1185,END: start -495 GT (ref:AG-GT)<< Possible error
1133554,1133889,336,EXACT,AG-GT
1136209,1136399,191,EXACT,AG-GT
1136589,1136790,202,EXACT,ATG:AG-GT
1137814,1138334,521,EXACT,AG-GT
1138655,1138904,250,EXACT,AG-GT
1139165,1139392,228,START:Ends:1140128-1140130-1139981-
ID=NCLIV_054520 + 1 G..ATGG
1142523,1143614,1092
ID=NCLIV_054530 + 17 A..ATG
1149980,1150196,217,END:Starts:1148311-1146159-
1150844,1151008,165,EXACT,AG-GT
1151385,1151479,95,EXACT,AG-GT
1151990,1152107,118,EXACT,AG-GT
1152534,1152694,161,START: end 2 AG
1153039,1153113,75,END: start 10 GT (ref:AG-GT)<< Possible error
1153561,1153950,390,END: start 282 AG-GT (ref:AG-GT)<< Possible error
1154408,1154895,488,EXACT,AG-GT
1155212,1155377,166,EXACT,GT
1155904,1156059,156,EXACT,AG-GT
1156274,1156315,42,EXACT,AG-GT
1156714,1156838,125,EXACT,TAG|TGA|TAA:AG-GT
1157348,1157438,91,EXACT,AG-GT
1157847,1159109,1263,EXACT,AG-GT
1159322,1159583,262,EXACT,AG-GT
1159864,1160137,274,EXACT,AG-GT
1160567,1160711,145,START:Ends:1161592-1161703-1161635-
ID=NCLIV_054540 + 8 A..ATG
1164674,1164689,16,END:Starts:1163124-1163127-1163126-
1165300,1165406,107,EXACT,AG-GT
1166010,1166169,160,EXACT,AG-GT
1166618,1166668,51,EXACT,AG
1167027,1167087,61,EXACT,AG-GT
1167671,1167710,40,EXACT,AG-GT
1168390,1168458,69,EXACT,AG-GT
1169689,1169739,51
ID=NCLIV_054550 + 1 G..ATGG
1171461,1172042,582
ID=NCLIV_054560 + 6 A..ATG
1174573,1174843,271
1175917,1176035,119
1176223,1176321,99
1177111,1177165,55
1177733,1177850,118
1178109,1178229,121
ID=NCLIV_054580 + 5 A..ATG

1181699,1181744,46,END:Starts:1181093-1181063-
1182111,1182196,86,EXACT,AG-GT
1182832,1182942,111,EXACT,AG-GT
1183188,1183403,216,EXACT,AG-GT
1184145,1184282,138,START:Ends:1184802-1185053-1185574-
ID=NCLIV_054630 + 17 A..ATG
1232627,1233674,1048
1234330,1234494,165,EXACT,AG-GT
1234945,1235125,181,START: end -23 AG
1235692,1235858,167
1236395,1236601,207,END: start 5 GT (ref:AG-GT)<< Possible error
1237343,1237570,228,EXACT,AG-GT
1238050,1238141,92,EXACT,AG-GT
1238548,1239012,465,EXACT,AG-GT
1239535,1239736,202,START: end -21 Info:AG-GT-AG-GC-
1240035,1240828,794,END: start 8 GT
1241399,1242263,865,START: end -14 AG
1242748,1243026,279,END: start 3 GT (ref:AG-GT)<< Possible error
1243596,1243939,344,EXACT,AG-GT
1244305,1244457,153,EXACT,AG-GT
1245237,1245354,118,EXACT,AG-GT
1245955,1246179,225,EXACT,AG-GT
1246520,1247667,1148,START:Ends:1248641-1248864-
ID=NCLIV_054660 + 2 A..ATG
1262393,1262819,427,END:EXACT
1263264,1263685,422,START:Ends:1263984-1264044-1263998-
ID=NCLIV_054680 + 5 A..ATG
1272594,1272666,73,END:Starts:1272424-1271301-
1272859,1273596,738,START: end -23 AG
1274324,1275214,891
1276581,1276606,26,END: start -224 GT
1277072,1278856,1785,START:Ends:1277878-1279408-
ID=NCLIV_054690 + 8 A..ATG
1281679,1281793,115,END:EXACT
1282012,1282145,134,EXACT,AG-GT
1282547,1282665,119,EXACT,AG-GT
1283154,1283223,70,EXACT,ATG:AG-GT
1283367,1284218,852,EXACT,AG-GT
1284771,1284874,104,EXACT,AG-GT
1285419,1285515,97,EXACT,AG-GT
1286138,1286278,141,START:Ends:1286810-1286955-1286990-
ID=NCLIV_054710 + 9 GAAATGA
1295193,1296515,1323
1296796,1296876,81,END: start 5 GT
1296996,1297082,87,EXACT,AG-GT
1297635,1297683,49,EXACT,AG-GT
1297945,1298015,71,EXACT,AG
1298468,1298547,80
1299150,1299213,64
1299389,1299440,52
1299924,1300009,86
ID=NCLIV_054720 + 8 A..ATG
1304224,1304457,234,END:EXACT
1304688,1304862,175,EXACT,AG-GT
1304968,1305096,129,EXACT,AG-GT
1305236,1306016,781,EXACT,AG-GT
1306266,1307025,760,START: end -3 AG
1307210,1307458,249,END: start -4 GT (ref:AG-GT)<< Possible error
1307687,1307944,258,EXACT,AG-GT
1308071,1308262,192,START:Ends:1308716-1308221-1308697-

ID=NCLIV_054730 + 5 GATATGC
 1311981,1312281,301
 1312432,1312548,117
 1312980,1313062,83
 1313366,1313520,155
 1313877,1313988,112
 ID=NCLIV_054740 + 5 A..ATG
 1315061,1315142,82
 1315192,1315261,70
 1315317,1315402,86
 1315463,1315560,98
 1315615,1315758,144
 ID=NCLIV_054760 + 1 [CT]..ATG[ACT]
 1323460,1325175,1716
 ID=NCLIV_054790 + 2 A..ATG
 1349995,1352116,2122,END:Starts:1349885-1351643-
 1352498,1352865,368,START:Ends:1354700-1354721-
 ID=NCLIV_054800 + 7 A..ATG
 1356942,1357034,93
 1357635,1358786,1152
 1359034,1359120,87
 1359536,1359683,148
 1359987,1360080,94
 1360499,1360625,127,START: end 6013 Code:INTERNAL-
 1361228,1361398,171,OVER:Starts:1360499-
 ID=NCLIV_054810 + 8 GGAATGC
 1365803,1366105,303,OVER:Starts:1360499-
 1366575,1366638,64,END: start -6076 Code:INTERNAL-
 1366966,1367073,108,END: start -1 GT (ref:AG-GT)<< Possible error
 1367696,1367828,133,EXACT,AG-GT
 1368505,1368658,154,EXACT,AG-GT
 1369254,1369316,63,EXACT,AG-GT
 1370268,1370300,33,EXACT,AG-GT
 1370969,1371010,42,START:Ends:1371985-1374044-1374414-
 ID=NCLIV_054840 + 4 A..ATG
 1382465,1382546,82,END:Starts:1381835-1381856-1381859-
 1382755,1383009,255,EXACT,AG-GT
 1383473,1383621,149,START: end 1338 AG
 1384065,1384259,195,OVER:Ends:1384959-1383541-1384967-
 ID=NCLIV_054850 + 4 CCTATGG
 1388074,1389064,991
 1389285,1390456,1172
 1390808,1390843,36
 1391253,1391498,246
 ID=NCLIV_054860 + 5 A..ATG
 1394547,1395692,1146,OVER:EXACT
 1396129,1396283,155
 1397159,1397216,58
 1397528,1397665,138,END: start -7 GT (ref:AG-GT)<< Possible error
 1398176,1398322,147,START:Ends:1399204-1399172-1399224-
 ID=NCLIV_054870 + 5 A..ATG
 1401190,1402215,1026
 1402727,1402828,102,END: start 8 GT (ref:AG-GT)<< Possible error
 1403321,1403445,125,EXACT,AG-GT
 1403696,1403855,160,EXACT,AG-GT
 1404203,1404358,156,START:Ends:1405701-1405464-1405514-
 ID=NCLIV_054880 + 1 A..ATG
 1406445,1407449,1005
 ID=NCLIV_054900 + 6 A..ATG
 1411839,1412093,255

1412294,1412417,124
1412840,1412960,121
1413695,1413780,86
1414160,1414218,59
1414621,1414731,111
ID=NCLIV_054950 + 5 [CT]..ATG[ACT]
1461653,1462766,1114,END:Starts:1460153-1460163-1460498-
1463068,1464207,1140,EXACT,AG-GT
1464416,1464944,529,EXACT,ATG:AG-GT
1465311,1465710,400,EXACT,AG-GT
1466326,1467375,1050,START:Ends:1469291-1469817-1469212-
ID=NCLIV_054970 + 14 GTTATGA
1478232,1478522,291,END:Starts:1476807-1477465-1477199-
1478995,1479435,441,END: start 81 AG-GT (ref:AG-GT)<< Possible error
1479921,1480349,429,EXACT,AG
1481017,1481083,67,END: start 22 GT (ref:AG-GT)<< Possible error
1481386,1483458,2073,START: end 3629 AG-GT
1484704,1487087,2384,END: start -3318 AG-GT
1487826,1488011,186,EXACT,AG-GT
1488963,1489514,552,EXACT,AG-GT
1490171,1490495,325,EXACT,AG-GT
1491148,1491599,452,START: end 337 AG-GC (ref:AG-GT)<< Possible error
1492363,1492426,64
1492588,1492676,89,EXACT,AG-GT
1493477,1494563,1087,EXACT,AG-GT
1495119,1495912,794,OVER:Ends:1496282-1496382-
ID=NCLIV_054990 + 3 A..ATG
1499428,1499481,54,END:Starts:1498900-1498868-1498884-
1499777,1500027,251,EXACT,AG-GT
1500622,1500862,241
ID=NCLIV_055010 + 1 [CT]..ATG[ACT]
1505321,1506295,975
ID=NCLIV_055030 + 1 [CT]..ATG[ACT]
1527407,1528807,1401
ID=NCLIV_055040 + 8 A..ATG
1532731,1534029,1299
1534869,1535318,450
1535955,1536972,1018
1537258,1537565,308
1537909,1538115,207
1538690,1538834,145
1539346,1539575,230
1539726,1540460,735
ID=NCLIV_055070 + 7 A..ATG
1575210,1575310,101
1575927,1576167,241,END: start 12 GT (ref:AG-GT)<< Possible error
1576755,1576991,237,EXACT,AG-GT
1577541,1577598,58,EXACT,AG-GT
1577913,1578505,593,EXACT,AG-GT
1579082,1579241,160,EXACT,AG-GT
1579579,1580072,494,START:EXACT
ID=NCLIV_055080 + 4 GTGATGT
1583163,1583473,311,END:EXACT
1583737,1583860,124,START: end 130 AG
1584125,1584195,71,END: start -14 GT (ref:AG-GT)<< Possible error
1584471,1586805,2335,START:Ends:1587218-1587221-1587211-
ID=NCLIV_055090 + 3 A..ATG
1589391,1589404,14,END:EXACT
1589889,1590003,115,EXACT,AG-GT
1590546,1590692,147,START:EXACT

ID=NCLIV_055120 + 8 GACATGT
1613307,1613370,64,END:EXACT
1613710,1613790,81,EXACT,AG-GT
1614072,1614181,110,EXACT,AG-GT
1614413,1614484,72,EXACT,AG-GT
1614888,1615014,127,EXACT,AG-GT
1615462,1615614,153,EXACT,AG-GT
1615928,1616086,159,EXACT,AG-GT
1616435,1616490,56,START:Ends:1616760-1617183-1617197-
ID=NCLIV_055130 + 4 A..ATG
1618013,1618081,69
1618134,1618206,73
1618270,1618386,117
1618454,1618584,131
ID=NCLIV_055140 + 4 [CT]..ATG[ACT]
1619949,1623013,3065
1623437,1623920,484
1624764,1625505,742
1626066,1627825,1760
ID=NCLIV_055150 + 13 [CT]..ATG[ACT]
1631491,1631634,144,END:Starts:1630488-1630436-
1631908,1632958,1051,EXACT,AG-GT
1633534,1635434,1901,EXACT,AG-GT
1636216,1636258,43,EXACT,AG-GT
1636638,1637281,644,EXACT,AG-GT
1637669,1637830,162,EXACT,AG-GT
1638598,1638655,58,EXACT,AG-GT
1639405,1639512,108,EXACT,Info:AG-GT-acceptor=TC-AG-GC-
1639836,1640729,894,START: end 710 AG
1643485,1644911,1427,END: start -1187 GT
1645307,1645396,90,EXACT,AG-GT
1645837,1646122,286,EXACT,AG-GT
1646593,1649204,2612,START:Ends:1649461-1651218-
ID=NCLIV_055160 + 11 CTCATGG
1652122,1652191,70,END:Starts:1651662-1651698-
1653140,1663012,9873,EXACT,AG-GT
1663344,1663374,31,EXACT,AG-GT
1663823,1663937,115,EXACT,AG-GT
1664580,1664690,111,EXACT,AG-GT
1665088,1665151,64,EXACT,AG-GT
1665338,1665462,125,EXACT,AG-GT
1665886,1666041,156,EXACT,AG-GT
1666545,1666668,124,EXACT,ATG:AG-GT
1666993,1667187,195,EXACT,AG-GT
1667840,1670643,2804,START:Ends:1671265-1671395-1674319-
ID=NCLIV_055180 + 6 GTCATGA
1682710,1683388,679
1683680,1684783,1104,END: start 202 GT
1685361,1687291,1931
1687847,1688160,314,END: start -158 GT
1688669,1688987,319,EXACT,AG-GT
1689426,1689929,504,START:Ends:1690005-1690155-1690447-
ID=NCLIV_055190 + 2 A..ATG
1699586,1699823,238
1700201,1700376,176
ID=NCLIV_055200 + 9 [CT]..ATG[ACT]
1705103,1708178,3076
1708761,1709096,336
1709794,1709908,115
1710168,1710339,172

1710867,1710959,93
 1711499,1711570,72
 1712080,1712265,186
 1712811,1712961,151
 1713915,1716139,2225
 ID=NCLIV_055240 + 5 A..ATG
 1741227,1741362,136,END:Starts:1740170-1740811-1740359-
 1742134,1742245,112,EXACT,AG-GT
 1742621,1742720,100,EXACT,AG-GT
 1743029,1743093,65,START: end 612 AG
 1743647,1743674,28,OVER:Ends:1743706-1743670-1743705-
 ID=NCLIV_055250 + 4 A..ATG
 1747191,1748000,810
 1748433,1748584,152
 1749146,1749291,146
 1749788,1749855,68
 ID=NCLIV_055280 + 7 [CT]..ATG[ACT]
 1797485,1797933,449
 1799098,1799321,224
 1799631,1800256,626,END: start -33 GT (ref:AG-GT)<< Possible error
 1800564,1800927,364,EXACT,AG-GT
 1801064,1801593,530,EXACT,GT
 1801995,1803227,1233,START: end 4343 AG
 1803609,1804346,738,OVER:Ends:1802490-1807570-
 ID=NCLIV_055290 + 2 A..ATG
 1809324,1811141,1818,END:Starts:1808900-1809724-
 1811643,1811747,105,START:Ends:1812791-1812796-
 ID=NCLIV_055310 + 1 G..ATGG
 1826136,1828763,2628
 ID=NCLIV_055350 + 5 G..ATGG
 1840693,1840871,179
 1841207,1841748,542,END: start -41 AG-GT
 1842059,1842439,381,START: end -63 AG-GT (ref:AG-GT)<< Possible error
 1842754,1842872,119,START: end -3 AG
 1843373,1843516,144,START:Starts:1843369-1843373-
 ID=NCLIV_055380 + 3 [CT]..ATG[ACT]
 1889761,1890768,1008,END:Starts:1885433-1886223-
 1891149,1892453,1305,EXACT,AG-GT
 1892787,1893830,1044,START:Ends:1895258-1897050-1895307-
 ID=NCLIV_055420 + 2 A..ATG
 1941235,1944703,3469
 1945412,1947108,1697
 ID=NCLIV_055470 + 2 A..ATG
 1979640,1982468,2829
 1982796,1984157,1362
 ID=NCLIV_055500 + 4 GCGATGC
 1996705,1999501,2797
 2000720,2000962,243
 2001242,2001576,335
 2002074,2002451,378
 ID=NCLIV_055520 + 4 A..ATG
 2011413,2011658,246,END:Starts:2010254-2010271-2010283-
 2011997,2012379,383,START: end 57 AG
 2012884,2012974,91,END: start -215 GT
 2013614,2013691,78,START:Ends:2013933-2013935-2013915-
 ID=NCLIV_055550 + 1 A..ATG
 2038124,2044738,6615
 ID=NCLIV_055570 + 1 A..ATG
 2052452,2053426,975
 ID=NCLIV_055590 + 1 G..ATGG

2062931,2065507,2577
ID=NCLIV_055610 + 3 G..ATGG
2075733,2075879,147,END:Starts:2075476-2075494-2075501-
2076305,2076364,60,EXACT,AG-GT
2076638,2076874,237,START:Ends:2079660-2078435-2078431-
ID=NCLIV_055630 + 2 [CT]..ATG[ACT]
2084412,2093482,9071,END:Starts:2082740-2082476-2089540-
2093872,2094355,484,START:Ends:2098284-2098305-
ID=NCLIV_055660 + 5 A..ATG
2117688,2118360,673,END:Starts:2116642-2116612-2116594-
2118638,2118786,149,EXACT,AG-GT
2119187,2119344,158,EXACT,AG-GT
2119815,2119880,66,EXACT,AG-GT
2120409,2120496,88,START:Ends:2121007-2121036-2120410-
ID=NCLIV_055670 + 4 CGTATGG
2123435,2124786,1352,END:Starts:2124029-2122983-
2125349,2125639,291,EXACT,AG-GT
2126040,2126655,616,EXACT,AG-GT
2127397,2127546,150,START:Ends:2127914-2128039-2129398-
ID=NCLIV_055680 + 18 A..ATG
2131120,2135626,4507,END:EXACT
2135894,2136156,263,EXACT,AG-GT
2136355,2136554,200,EXACT,TAG|TGA|TAA:AG-GT
2136837,2137093,257,EXACT,AG-GT
2137840,2138363,524,EXACT,AG-GT
2138754,2138902,149,EXACT,AG-GT
2139317,2139383,67,EXACT,AG-GT
2139515,2139630,116,EXACT,AG-GT
2140324,2140420,97,EXACT,AG-GT
2141641,2143386,1746
2143755,2143811,57,EXACT,AG-GT
2144428,2144553,126,EXACT,AG-GT
2144852,2145213,362,EXACT,AG-GT
2145827,2146044,218,EXACT,AG-GT
2146336,2146724,389,EXACT,AG-GT
2146959,2147114,156,EXACT,AG-GT
2147375,2147651,277,EXACT,AG-GT
2147955,2148079,125,START:Ends:2148882-2149030-2148899-
ID=NCLIV_055690 + 7 A..ATG
2151600,2151648,49,END:Starts:2148963-2150574-2150614-
2152632,2152770,139,EXACT,AG-GT
2153133,2153216,84,EXACT,AG-GT
2153607,2153734,128,EXACT,AG-GT
2154355,2154428,74,EXACT,AG-GT
2154536,2154659,124,EXACT,AG-GT
2155171,2155217,47,START:Ends:2155974-2156038-2156555-
ID=NCLIV_055720 + 4 CAAATGG
2180277,2180304,28,OVER:EXACT
2180357,2184949,4593,END: start 3539 GT
2185178,2185494,317,EXACT,AG-GT
2185976,2186422,447,START:Ends:2186769-2188314-2188213-
ID=NCLIV_055740 + 1 [CT]..ATG[ACT]
2199223,2201796,2574
ID=NCLIV_055760 + 6 G..ATGG
2215050,2215548,499,END:Starts:2214706-2214708-2214766-
2216409,2216793,385,EXACT,AG-GT
2217210,2217457,248,EXACT,AG-GT
2217820,2217936,117,START: end -16 AG
2218415,2218506,92,EXACT,GT
2218755,2219066,312,START:Ends:2219265-2219338-2219333-

ID=NCLIV_055790 + 15 CCGATGG
2233154,2234719,1566,WITHIN:Starts:2232252-2233885-
2235153,2235386,234
2235694,2235920,227
2236332,2236955,624
2237335,2237506,172
2237912,2238041,130
2238730,2238870,141
2239743,2240107,365
2240548,2240919,372
2241495,2241917,423
2242347,2242790,444
2243371,2244232,862,END: start 14 GT
2244874,2245214,341,EXACT,AG-GT
2245575,2245987,413,EXACT,AG-GT
2246415,2246502,88,START:EXACT

ID=NCLIV_055810 + 2 A..ATG
2260973,2261371,399,END:Starts:2259348-2259330-2259504-
2262075,2262311,237,START:Ends:2262908-2263069-2263083-

ID=NCLIV_055830 + 2 G..ATGG
2301766,2301961,196,END:Starts:2301169-2301214-2301217-
2302425,2302549,125,START:Ends:2303147-2304759-2304731-

ID=NCLIV_055860 + 14 A..ATG
2315131,2315939,809,END:Starts:2309425-2313144-2313100-
2316428,2316567,140,EXACT,AG-GT
2317027,2317168,142,EXACT,AG-GT
2317369,2317768,400,START: end -5 AG
2318209,2318404,196,EXACT,AG-GT
2318680,2319011,332,START: end 766 AG-GT
2320048,2320492,445,EXACT,AG-GT
2321001,2321135,135,EXACT,AG-GT
2321627,2321799,173,EXACT,AG-GT
2322156,2322365,210,EXACT,AG-GT
2322931,2323068,138,EXACT,AG-GT
2323548,2323653,106,EXACT,AG-GT
2324105,2324388,284,END: start 45 AG-GT (ref:AG-GT)<< Possible error
2324710,2324817,108,START:Ends:2326920-2326900-2328212-

ID=NCLIV_055880 + 16 A..ATG
2341583,2341627,45,END:Starts:2341009-2340894-
2342769,2342877,109,OVER: start -192 and end 900 AG-GT (ref:AG-GT)<< Possible error
2343307,2343777,471,END: start -730 AG-GT (ref:AG-GT)<< Possible error
2344357,2344463,107,EXACT,AG-GT
2345035,2345154,120,EXACT,AG-GT
2345457,2345570,114,EXACT,AG
2346529,2346575,47
2347182,2347281,100
2347702,2347822,121,END: start 1 GT
2348273,2348343,71,EXACT,AG-GT
2349498,2349548,51,EXACT,AG-GT
2349803,2349880,78,EXACT,AG-GT
2350349,2350422,74,EXACT,AG-GT
2350734,2350782,49,EXACT,AG-GT
2351352,2351537,186,EXACT,AG-GT
2351873,2351947,75,START:Ends:2352607-2354278-2354667-

ID=NCLIV_055910 + 2 GCCATGT
2379969,2381313,1345,END:Starts:2378870-2380267-2381041-
2381862,2381998,137,START:Ends:2382074-2382382-2382501-

ID=NCLIV_055920 + 1 A..ATG
2384929,2388504,3576

ID=NCLIV_055930 + 8 [CT]..ATG[ACT]

2390982,2391112,131,OVER:Starts:2384449-2390686-2393415-
2391419,2391626,208,OVER: start -733 and end 2295 GT (ref:AG-GT)<< Possible error
2391800,2393921,2122,END: start -1114 GT (ref:AG-GT)<< Possible error
2394294,2394481,188,START: end -10 AG
2394910,2394927,18
2394993,2395482,490,END: start 36 GT (ref:AG-GT)<< Possible error
2395824,2395874,51,EXACT,AG-GT
2396303,2396742,440,START:Ends:2396934-2397009-2397244-
ID=NCLIV_055940 + 8 A..ATG
2399122,2399250,129
2399560,2399629,70
2400313,2400497,185,END: start 150 GT
2401305,2402001,697,START: end -187 AG
2402633,2402739,107,END: start 26 AG-GT
2403086,2403217,132,EXACT,AG-GT
2403838,2404117,280,EXACT,AG
2404452,2404492,41
ID=NCLIV_055950 + 5 A..ATG
2406612,2406831,220,END:Starts:2405222-2406138-2406121-
2407533,2407714,182,EXACT,AG-GT
2408023,2408201,179,EXACT,AG-GT
2408922,2409179,258,EXACT,AG-GT
2409843,2409924,82,START:EXACT
ID=NCLIV_055970 + 4 G..ATGG
2414924,2415235,312
2415531,2415648,118
2416269,2416860,592
2417442,2417763,322
ID=NCLIV_055990 + 11 [CT]..ATG[ACT]
2426761,2426965,205
2427081,2427225,145
2427412,2427973,562
2428270,2428355,86
2428826,2428892,67
2429136,2429219,84
2429509,2429648,140
2429989,2430124,136
2431060,2431200,141
2431711,2431798,88
2432010,2432305,296
ID=NCLIV_056010 + 6 A..ATG
2461608,2461672,65,END:Starts:2460647-2461236-
2462044,2462077,34,EXACT,Info:AG-GC-AG-GT-
2462465,2462557,93,EXACT,AG-GT
2463067,2463294,228,START: end -119 AG-GT (ref:AG-GT)<< Possible error
2463830,2463885,56,EXACT,AG-GT
2464193,2464241,49,START:Ends:2465026-2464804-2464729-
ID=NCLIV_056020 + 8 A..ATG
2466349,2466455,107,END:Starts:2465550-2465830-2466341-
2466880,2466944,65,EXACT,AG-GT
2467176,2467202,27,EXACT,AG-GT
2467738,2467788,51,EXACT,AG-GT
2468514,2468710,197,EXACT,AG-GT
2469249,2469466,218,EXACT,AG-GT
2469804,2469866,63,EXACT,AG-GT
2470370,2470388,19,START:Ends:2470983-2471028-2470395-
ID=NCLIV_056030 + 7 A..ATG
2473186,2474009,824,END:Starts:2472526-2472408-2472867-
2474602,2474680,79,EXACT,AG-GT
2474995,2475056,62,EXACT,AG-GT

2475507,2475543,37
2475851,2475956,106,EXACT,AG-GT
2476488,2476580,93,EXACT,AG-GT
2477174,2477238,65,START:EXACT
ID=NCLIV_056060 + 2 A..ATG
2507406,2508986,1581,END:Starts:2506070-2506067-2506183-
2509253,2509600,348,START:Ends:2510091-2510344-2510356-
ID=NCLIV_056070 + 8 GGCATGC
2515381,2515575,195,OVER:Starts:2515910-2514410-2514361-
2515910,2515970,61,OVER: start -1500 and end 2077 GT (ref:AG-GT)<< Possible error
2516523,2518047,1525,END: start -2113 GT (ref:AG-GT)<< Possible error
2518677,2519059,383,EXACT,AG-GT
2519588,2519775,188,EXACT,AG-GT
2520084,2520200,117,EXACT,AG-GT
2520748,2520897,150,EXACT,AG-GT
2521322,2524123,2802,START:Ends:2525854-2525731-2525762-
ID=NCLIV_056090 + 5 A..ATG
2540517,2540632,116,END:Starts:2535106-2538372-2538674-
2541073,2542250,1178,EXACT,AG-GT
2542702,2543100,399,START: end 5 AG-GT
2543892,2544100,209,END: start -316 AG-GT (ref:AG-GT)<< Possible error
2544665,2545402,738,START:Ends:2545989-2546352-2546336-
ID=NCLIV_056100 + 12 A..ATG
2550385,2552613,2229
2553391,2553443,53
2553631,2554675,1045,END: start -8 GT
2554774,2554927,154,EXACT,AG
2555127,2555245,119
2555371,2555412,42
2555574,2555689,116
2556054,2556171,118
2556463,2556527,65
2556649,2556706,58
2556907,2557042,136,END: start 2 GT (ref:AG-GT)<< Possible error
2557268,2557335,68,START:Ends:2557706-2557616-2558227-
ID=NCLIV_056110 + 4 A..ATG
2559152,2559244,93,OVER:EXACT
2559651,2559689,39,EXACT,AG-GT
2560269,2560500,232,EXACT,AG-GT
2561035,2561255,221,START:Ends:2561888-2562583-2561047-
ID=NCLIV_056150 + 3 G..ATGG
2606115,2606206,92,END:Starts:2605337-2605006-2605320-
2606953,2607318,366,EXACT,AG-GT
2607682,2608102,421,START:Ends:2608966-2609357-2608984-
ID=NCLIV_056170 + 5 A..ATG
2626717,2626892,176,END:Starts:2625027-2625148-2626258-
2627222,2627381,160,EXACT,AG-GT
2627865,2628547,683,EXACT,GT
2629077,2629193,117,EXACT,AG-GT
2629505,2630183,679,START:Ends:2630702-2630786-2632495-
ID=NCLIV_056190 + 4 A..ATG
2638268,2638306,39,END:Starts:2637175-2634935-2637267-
2639007,2639109,103,EXACT,AG-GT
2639453,2639517,65,EXACT,AG-GT
2639860,2639946,87,START:Ends:2640743-2640693-2640658-
ID=NCLIV_056210 + 7 A..ATG
2647356,2652119,4764
2652624,2652959,336,END: start 32 GT
2653481,2653876,396,EXACT,AG-GT
2654509,2657075,2567,EXACT,AG

2657547,2658065,519,END: start -50 GT
2658879,2659238,360,EXACT,AG-GT
2659531,2659702,172,START:Ends:2660342-2660352-2660458-
ID=NCLIV_056230 + 1 CCTATGG
2668728,2671979,3252
ID=NCLIV_056240 + 8 TGGATGG
2676242,2678380,2139
2678927,2679128,202,END: start -51 GT (ref:AG-GT)<< Possible error
2679841,2679946,106,EXACT,AG-GT
2680617,2680709,93,EXACT,AG-GT
2681281,2681650,370,EXACT,AG-GT
2682351,2682513,163,EXACT,AG-GT
2683080,2683135,56,EXACT,AG-GT
2683683,2683760,78,OVER:Ends:2685056-2685647-2685372-
ID=NCLIV_056250 + 8 CAGCTTC
2687602,2687732,131,END:Starts:2685803-2686480-2686022-
2688215,2688353,139,EXACT,AG-GT
2688776,2689109,334,EXACT,AG-GT
2689287,2689478,192,EXACT,AG-GT
2690129,2690286,158,EXACT,AG-GT
2690677,2690852,176,EXACT,AG-GT
2691401,2691508,108,EXACT,AG-GT
2692314,2692575,262,START:Ends:2694059-2694193-2694293-
ID=NCLIV_056270 + 12 GCAATGA
2706021,2707339,1319,END:Starts:2705506-2705493-
2707811,2708263,453,EXACT,AG-GT
2708567,2708735,169,EXACT,AG
2709218,2709345,128,EXACT,GT
2709482,2709639,158,START: end 7 AG
2710104,2710231,128
2710768,2710836,69,END: start 44 GT
2711599,2713736,2138,EXACT,AG-GT
2714526,2716368,1843,EXACT,AG-GT
2716785,2716908,124,START: end 555 AG-GT
2717342,2717463,122,END: start -557 AG-GT
2717896,2717973,78,START:EXACT
ID=NCLIV_056300 + 1 A..ATG
2727446,2728918,1473
ID=NCLIV_056310 + 3 A..ATG
2731026,2731105,80,END:Starts:2730123-2730112-2730122-
2731780,2731843,64,EXACT,AG-GT
2732254,2732649,396,START:Ends:2733214-2733450-2733491-
ID=NCLIV_056330 + 6 A..ATG
2748984,2749181,198
2750373,2750581,209
2751046,2751208,163
2751555,2751720,166
2752091,2752295,205
2753184,2753595,412
ID=NCLIV_056370 + 12 A..ATG
2774362,2774385,24
2775042,2775222,181
2775652,2776186,535,END: start 5 GT (ref:AG-GT)<< Possible error
2776683,2776790,108,EXACT,AG-GT
2777309,2777481,173,EXACT,AG-GT
2777787,2777917,131,EXACT,AG-GT
2778517,2778811,295,EXACT,AG-GT
2779344,2779550,207,EXACT,AG-GT
2779800,2780137,338,EXACT,AG-GT
2780561,2781177,617,EXACT,AG-GT

2781584,2781810,227,EXACT,AG-GT
2782214,2782476,263,START:Ends:2784723-2784768-2784908-
ID=NCLIV_056380 + 1 A..ATG
2789695,2794461,4767
ID=NCLIV_056410 + 9 A..ATG
2807400,2808068,669,END:Starts:2805369-2805420-2805464-
2808436,2808567,132,EXACT,AG-GT
2808900,2809460,561,EXACT,AG-GT
2809699,2809833,135,START: end 784 AG (ref:AG-GT)<< Possible error
2810395,2810617,223,END: start -315 AG-GT (ref:AG-GT)<< Possible error
2810909,2810982,74,EXACT,AG-GT
2811438,2811539,102,EXACT,AG-GT
2812204,2812244,41,EXACT,AG-GT
2812793,2812934,142,START:Ends:2812855-2813530-2812813-
ID=NCLIV_056420 + 1 A..ATG
2815007,2815834,828
ID=NCLIV_056440 + 12 A..ATG
2825433,2825510,78,END:Ends:2825489-2825510-
2825959,2826330,372,END: start 4 AG-GT (ref:AG-GT)<< Possible error
2826924,2827077,154,EXACT,AG-GT
2827421,2827520,100,EXACT,AG-GT
2827989,2828139,151,EXACT,AG-GT
2828938,2829086,149,EXACT,AG-GT
2829484,2829584,101,EXACT,AG-GT
2829972,2830129,158,EXACT,AG-GT
2830666,2830780,115,EXACT,AG-GT
2830968,2831073,106,EXACT,AG-GT
2831437,2831608,172,EXACT,AG
2831802,2831897,96
ID=NCLIV_056450 + 1 GAAATGT
2837124,2839028,1905
ID=NCLIV_056470 + 10 A..ATG
2852369,2852524,156,END:Starts:2851640-2851631-2851767-
2853413,2853752,340,EXACT,AG-GT
2854318,2854457,140,EXACT,AG-GT
2854894,2855000,107,EXACT,AG-GT
2855327,2856514,1188,EXACT,AG-GT
2856987,2857117,131,EXACT,AG-GT
2857859,2858892,1034,EXACT,AG-GT
2859401,2859697,297,EXACT,AG-GT
2860107,2860407,301,EXACT,AG-GT
2860723,2860826,104,START:EXACT
ID=NCLIV_056500 + 4 A..ATG
2876731,2876894,164,END:Starts:2876005-2875992-2875999-
2877154,2877300,147,EXACT,AG-GT
2877681,2877748,68,EXACT,AG-GT
2878108,2878145,38,START:Ends:2879010-2878658-2878582-
ID=NCLIV_056520 + 5 A..ATG
2892060,2892201,142,END:Starts:2890741-2890720-
2892615,2892753,139,EXACT,AG-GT
2893135,2893249,115,EXACT,AG-GT
2894152,2894277,126,EXACT,AG-GT
2894693,2894809,117,START:Ends:2896263-2895487-
ID=NCLIV_056530 + 8 A..ATG
2897777,2898839,1063
2899505,2899613,109
2900146,2900316,171
2901011,2901101,91
2902499,2902592,94
2903103,2903262,160

2903538,2903665,128,END: start -161 GT
 2906674,2906990,317,OVER:Ends:2905231-2912231-2917050-
 ID=NCLIV_056540 + 1 A..ATG
 2919170,2923900,4731
 ID=NCLIV_056560 + 7 [CT]..ATG[ACT]
 2938155,2939552,1398,END:Starts:2937315-2937413-2937415-
 2940045,2940116,72,EXACT,AG-GT
 2940471,2940563,93,EXACT,AG-GT
 2941195,2941388,194,EXACT,TAG|TGA|TAA:AG-GT
 2941792,2941934,143,EXACT,AG-GT
 2942308,2942381,74,EXACT,AG-GT
 2942822,2942932,111,START:Ends:2943530-2943295-2943343-
 ID=NCLIV_056570 + 10 A..ATG
 2949692,2949832,141,END:Starts:2947368-2947378-2947429-
 2950339,2950693,355,EXACT,AG-GT
 2951057,2951335,279,EXACT,AG-GT
 2951732,2951923,192,EXACT,AG-GT
 2952348,2954609,2262,EXACT,AG-GT
 2954878,2955062,185,EXACT,AG-GT
 2955630,2956344,715,START: end 3481 AG-GT
 2956538,2959825,3288,END: start -908 AG-GT
 2960210,2960479,270,EXACT,AG-GT
 2960770,2961527,758,START:Ends:2962345-2962203-
 ID=NCLIV_056580 + 9 A..ATG
 2964884,2965354,471,END:Starts:2964022-2964005-2964197-
 2965791,2965979,189,EXACT,AG-GT
 2966623,2967004,382,EXACT,AG-GT
 2967707,2967812,106,EXACT,AG-GT
 2968237,2968352,116,EXACT,AG-GT
 2968527,2969362,836,EXACT,AG-GT
 2970000,2970083,84,EXACT,AG-GT
 2970743,2970818,76,EXACT,AG-GT
 2971157,2971257,101,START:Ends:2971880-2972623-2972655-
 ID=NCLIV_056600 + 3 GAGATGA
 2980670,2982365,1696,END:Starts:2979793-2978954-2980128-
 2982852,2983012,161,EXACT,AG-GT
 2983613,2983993,381,START:Ends:2984889-2984880-2984885-
 ID=NCLIV_056610 + 9 TAGTTCT
 2986928,2987333,406,END:EXACT
 2987776,2988225,450,EXACT,AG-GT
 2988643,2988869,227,EXACT,AG-GT
 2989131,2989310,180,EXACT,AG-GT
 2989445,2989583,139,EXACT,AG-GT
 2989998,2990170,173,EXACT,AG-GT
 2990644,2990730,87,EXACT,ATG:AG-GT
 2991043,2991203,161,EXACT,AG-GT
 2991672,2991714,43,START:EXACT
 ID=NCLIV_056640 + 9 A..ATG
 3021901,3021965,65,END:Starts:3020970-3020949-
 3022329,3022592,264,END: start 6 AG-GT (ref:AG-GT)<< Possible error
 3023282,3023382,101,EXACT,AG-GT
 3023903,3023966,64,EXACT,AG-GT
 3024297,3024405,109,EXACT,AG-GT
 3024700,3024831,132,EXACT,AG-GT
 3025152,3025211,60,EXACT,AG-GT
 3025510,3025599,90,EXACT,AG-GT
 3026927,3027256,330,START:Ends:3027950-3027857-
 ID=NCLIV_056650 + 1 A..ATG
 3030902,3035407,4506
 ID=NCLIV_056660 + 2 [CT]..ATG[ACT]

3041177,3045579,4403,END:Starts:3039273-3038661-3040544-
3045963,3046923,961,START:Ends:3048653-3048686-3048672-
ID=NCLIV_056670 + 4 A..ATG
3052229,3052445,217,END:EXACT
3052847,3052993,147,EXACT,AG-GT
3053307,3053470,164,START: end 3 AG
3053712,3054008,297,OVER:Starts:3053715-3053638-
ID=NCLIV_056680 + 1 A..ATG
3061118,3061699,582
ID=NCLIV_056700 + 15 A..ATG
3072445,3072468,24,END:Starts:3071479-3071313-3071483-
3073185,3073286,102,EXACT,AG-GT
3073820,3073889,70,EXACT,AG-GT
3074498,3074652,155,EXACT,AG-GT
3075186,3075266,81,EXACT,AG-GT
3075723,3076689,967,EXACT,AG-GT
3076936,3077091,156,EXACT,AG-GT
3077841,3078034,194,EXACT,AG-GT
3078314,3078446,133,EXACT,AG-GT
3078863,3079368,506,EXACT,AG-GT
3079962,3080139,178,EXACT,AG-GT
3080711,3080790,80,EXACT,AG-GT
3081119,3081270,152,EXACT,AG-GT
3081654,3082030,377,EXACT,AG-GT
3082214,3082293,80,START:Ends:3083098-3083077-3083071-
ID=NCLIV_056720 + 11 A..ATG
3093199,3097340,4142
3097979,3098413,435
3098718,3100419,1702
3100815,3108700,7886
3109283,3109589,307
3110076,3110654,579
3111325,3111420,96
3111924,3112129,206
3112581,3112824,244
3113119,3113414,296
3114016,3114385,370
ID=NCLIV_056740 + 1 GGGATGA
3120781,3123264,2484
ID=NCLIV_056760 + 12 A..ATG
3128317,3128375,59
3128987,3129565,579,EXACT,AG-GT
3130235,3130324,90,EXACT,AG-GT
3130483,3130537,55,EXACT,AG-GT
3131302,3131440,139,EXACT,GT
3131586,3131631,46,END: start -1 GT
3132395,3132510,116,EXACT,AG
3132835,3132950,116,EXACT,AG-GT
3133234,3133914,681,EXACT,AG
3134740,3134802,63,EXACT,AG
3135345,3135566,222,EXACT,GT
3136135,3136260,126,OVER:Ends:3137002-3136976-
ID=NCLIV_056770 + 20 GAAATGA
3139805,3139910,106,OVER:Ends:3139906-3139912-
3140411,3140429,19
3141251,3141352,102,END: start -9 GT (ref:AG-GT)<< Possible error
3141747,3141792,46,EXACT,AG-GT
3142218,3142288,71,EXACT,AG-GT
3142732,3142827,96,EXACT,AG-GT
3143375,3143461,87,EXACT,AG-GT

3144136,3144222,87,EXACT,AG-GT
 3144744,3144812,69,EXACT,AG-GT
 3145400,3145489,90,EXACT,AG-GT
 3146042,3146098,57,EXACT,AG-GT
 3146712,3146883,172,START: end 155 AG
 3147493,3147783,291,END: start 13 GT (ref:AG-GT)<< Possible error
 3148136,3148180,45,EXACT,AG-GT
 3148399,3148459,61,EXACT,AG-GT
 3148832,3149025,194,EXACT,AG-GT
 3149521,3149601,81,EXACT,AG-GT
 3150232,3150362,131,EXACT,AG-GT
 3150638,3150712,75,EXACT,AG-GT
 3151188,3153351,2164,START:Ends:3153866-3153935-3153885-
 ID=NCLIV_056790 + 1 GCGATGT
 3170706,3172070,1365
 ID=NCLIV_056820 + 2 [CT]..ATG[ACT]
 3185095,3185324,230
 3185840,3186533,694
 ID=NCLIV_056840 + 8 G..ATGG
 3193438,3193480,43
 3193967,3194559,593
 3195028,3195328,301
 3195583,3195630,48
 3195900,3196111,212
 3196549,3196624,76
 3197442,3197578,137
 3198006,3198695,690
 ID=NCLIV_056880 + 13 A..ATG
 3226166,3228048,1883
 3228514,3228673,160
 3229231,3229332,102,EXACT,GT
 3229927,3230037,111,EXACT,AG-GT
 3230381,3230452,72,EXACT,AG-GT
 3230858,3230977,120,EXACT,AG-GT
 3231305,3231782,478,START: end 2 AG
 3232406,3233152,747,END: start -181 GT
 3233503,3233609,107,START: end -57 AG
 3233963,3234022,60,END: start 12 GT
 3234240,3234372,133,EXACT,AG
 3235082,3235141,60,EXACT,GT
 3235676,3236220,545,START:EXACT
 ID=NCLIV_056890 + 2 A..ATG
 3237512,3237523,12,END:EXACT
 3238204,3238368,165,START:Ends:3249181-3238564-3238498-
 ID=NCLIV_056910 + 1 G..ATGG
 3291805,3292410,606
 ID=NCLIV_056930 + 1 [CT]..ATG[ACT]
 3298206,3299513,1308
 ID=NCLIV_056940 + 1 A..ATG
 3303001,3304452,1452
 ID=NCLIV_056960 + 5 A..ATG
 3317194,3317483,290,END:Starts:3314885-3315006-3314978-
 3317881,3317984,104,EXACT,TAG|TGA|TAA:AG-GT
 3318616,3319432,817,EXACT,AG-GT
 3320132,3320255,124,EXACT,AG-GT
 3320731,3320892,162,START:Ends:3322512-3323969-3322518-
 ID=NCLIV_056980 + 4 A..ATG
 3335208,3336575,1368,END:Starts:3334786-3334764-
 3337240,3337419,180,EXACT,AG-GT
 3337828,3337904,77,EXACT,AG-GT

3338181,3338307,127,START:Ends:3338678-3338825-3338872-
ID=NCLIV_056995 + 2 A..ATG
3362050,3362171,122
3362858,3363188,331
ID=NCLIV_057040 + 3 GAAATGC
3402624,3403016,393
3403357,3404094,738,END: start 498 GT
3404427,3406148,1722,START:Ends:3405307-3404806-
ID=NCLIV_057050 + 1 G..ATGG
3408958,3410988,2031
ID=NCLIV_057070 + 12 A..ATG
3417487,3417762,276,END:Starts:3416366-3416371-3416370-
3418224,3418426,203,EXACT,AG-GT
3418808,3419386,579,EXACT,AG-GT
3419643,3419823,181,EXACT,AG-GT
3420227,3421324,1098,EXACT,AG-GT
3421884,3421998,115,EXACT,AG-GT
3422450,3422697,248,EXACT,AG-GT
3423255,3423382,128,EXACT,TAG|TGA|TAA:AG-GT
3423814,3424088,275,EXACT,AG-GT
3424298,3424431,134,EXACT,AG-GT
3424820,3425050,231,EXACT,AG-GT
3425427,3425771,345,START:Ends:3425883-3425871-3425876-
ID=NCLIV_057090 + 4 A..ATG
3459751,3459866,116,END:Starts:3456837-3459319-3459333-
3460458,3461597,1140,END: start 474 GT
3461870,3462697,828,EXACT,AG-GT
3462873,3467289,4417,START:Ends:3468728-3468816-
ID=NCLIV_057100 + 1 A..ATG
3470471,3471439,969
ID=NCLIV_057110 + 3 G..ATGG
3489639,3490205,567
3490624,3495303,4680
3495448,3501381,5934
ID=NCLIV_057120 + 3 A..ATG
3504645,3505268,624,END:Starts:3497607-3497626-
3505626,3507266,1641,EXACT,AG-GT
3507707,3508123,417,START:Ends:3507752-3509143-3509361-
ID=NCLIV_057130 + 17 A..ATG
3511896,3512935,1040,END:Starts:3510399-3511486-
3513339,3513459,121,EXACT,AG-GT
3514049,3514145,97,EXACT,AG
3514421,3514496,76
3515000,3515141,142
3515647,3515794,148
3516143,3516222,80
3516736,3516792,57
3517365,3517421,57
3517891,3517983,93
3518428,3518472,45
3519028,3519080,53
3519334,3519553,220
3519881,3519939,59
3520109,3520156,48
3520484,3520566,83
3520894,3521099,206
ID=NCLIV_057140 + 3 A..ATG
3523739,3523847,109,END:Starts:3523235-3523218-3523078-
3524365,3524448,84,EXACT,AG-GT
3525086,3526017,932,START:Ends:3527458-3528118-3527542-

ID=NCLIV_057150 + 8 A..ATG
3530617,3531120,504
3531596,3531813,218
3532309,3532663,355
3533046,3533115,70
3533632,3534186,555,EXACT,GT
3534921,3535064,144,EXACT,AG-GT
3535155,3535502,348,START: end 332 AG
3536103,3537085,983,OVER:Starts:3535861-3536000-

ID=NCLIV_057170 + 10 A..ATG
3544229,3544811,583,END:Starts:3543866-3543820-
3545847,3546671,825,START: end 55 AG
3547199,3547413,215,END: start -119 AG-GT
3547949,3548015,67,EXACT,AG-GT
3548643,3548934,292,EXACT,AG-GT
3549504,3549538,35,EXACT,AG-GT
3549814,3549953,140,EXACT,AG-GT
3550306,3550447,142,EXACT,TAG|TGA|TAA:AG-GT
3550717,3550797,81,EXACT,AG-GT
3551384,3551460,77,START:Ends:3552062-3552565-3552320-

ID=NCLIV_057190 + 10 A..ATG
3559859,3561163,1305,OVER:EXACT
3561589,3561735,147,EXACT,AG-GT
3562080,3562759,680,EXACT,AG-GT
3563443,3563871,429,EXACT,AG-GT
3564044,3564455,412,EXACT,AG-GT
3564962,3565120,159,EXACT,AG-GT
3565710,3566153,444,EXACT,AG-GT
3566493,3566633,141,EXACT,AG-GT
3567108,3567381,274,EXACT,AG-GT
3567893,3568038,146,START:Ends:3571424-3570019-

ID=NCLIV_057230 + 3 A..ATG
3592932,3593819,888,END:Starts:3593602-3593327-
3594603,3594868,266,EXACT,AG-GT
3595002,3595161,160,START:Ends:3596076-3595938-3597047-

ID=NCLIV_057260 + 2 A..ATG
3607137,3607609,473,END:EXACT
3608246,3608288,43,START:Ends:3609125-3609119-3609510-

ID=NCLIV_057280 + 12 A..ATG
3615523,3615795,273,OVER:Starts:3614644-3614081-3614596-
3616406,3616567,162,END: start 17 GT (ref:AG-GT)<< Possible error
3616864,3617028,165,EXACT,AG-GT
3617300,3617438,139,EXACT,AG-GT
3617837,3617959,123,EXACT,AG-GT
3618287,3618528,242,EXACT,AG-GT
3618917,3618986,70,EXACT,AG-GT
3619537,3619640,104,START: end 15 AG-GC (ref:AG-GT)<< Possible error
3619946,3620029,84,EXACT,AG-GT
3620608,3620788,181,EXACT,AG-GT
3621146,3621253,108,EXACT,AG-GT
3621583,3621668,86,START:Ends:3622385-3625712-3626878-

ID=NCLIV_057320 + 16 G..ATGG
3642505,3642632,128,END:Starts:3641335-3641339-
3643403,3643557,155,EXACT,AG-GT
3643866,3643942,77,EXACT,AG-GT
3644455,3644577,123,START: end 1242 AG-GT
3645397,3645819,423,END: start -942 AG-GT
3646527,3647198,672,EXACT,AG-GT
3647796,3648092,297,START: end 4 AG
3648926,3648996,71,END: start 12 AG-GT (ref:AG-GT)<< Possible error

3649520,3649690,171,EXACT,AG-GT
 3650103,3650818,716,START: end 1 AG
 3651399,3651578,180,END: start -191 GT (ref:AG-GT)<< Possible error
 3652713,3652920,208,EXACT,AG-GT
 3653229,3653433,205,EXACT,AG-GT
 3654149,3654315,167,EXACT,AG-GT
 3654715,3654985,271,EXACT,AG-GT
 3655286,3655384,99,START:Ends:3658530-3658377-3658402-
 ID=NCLIV_057330 + 1 A..ATG
 3660589,3661236,648
 ID=NCLIV_057340 + 5 A..ATG
 3664339,3664469,131,END:Starts:3664073-3664081-
 3665187,3665234,48,EXACT,AG-GT
 3665628,3665716,89,EXACT,AG
 3665998,3666310,313
 3666714,3668757,2044
 ID=NCLIV_057350 + 6 [CT]..ATG[ACT]
 3673747,3674349,603
 3674924,3674966,43
 3675341,3675484,144
 3676156,3676301,146
 3677056,3677228,173
 3677564,3677738,175
 ID=NCLIV_057380 + 5 [CT]..ATG[ACT]
 3685056,3685164,109,END:EXACT
 3685591,3685704,114,EXACT,AG-GT
 3686035,3686171,137,EXACT,AG-GT
 3686641,3686730,90,EXACT,AG-GT
 3687219,3687320,102,START:Ends:3687846-3690257-
 ID=NCLIV_057390 + 5 [CT]..ATG[ACT]
 3693525,3694147,623,END:Starts:3691482-3691794-
 3694551,3694722,172,EXACT,AG-GT
 3695374,3696165,792,EXACT,AG-GT
 3696399,3696893,495,EXACT,AG-GT
 3697568,3698497,930,START:Ends:3698803-3698811-3698868-
 ID=NCLIV_057400 + 8 TGGATGG
 3702427,3704616,2190
 3704833,3705106,274
 3705361,3705776,416
 3706095,3706269,175
 3706624,3706839,216
 3707500,3707606,107
 3707741,3707943,203
 3708313,3709936,1624
 ID=NCLIV_057420 + 2 G..ATGG
 3722273,3722708,436
 3723111,3729943,6833
 ID=NCLIV_057460 + 7 A..ATG
 3750531,3750862,332,END:Starts:3749851-3749954-3749975-
 3751412,3751523,112,EXACT,AG-GT
 3751949,3752044,96,EXACT,AG-GT
 3752178,3752333,156,EXACT,AG-GT
 3752579,3752758,180,EXACT,AG-GT
 3753241,3753543,303,EXACT,AG-GT
 3753947,3754006,60,START:EXACT
 ID=NCLIV_057470 + 14 [CT]..ATG[ACT]
 3757561,3759388,1828,END:Starts:3756633-3756592-
 3759547,3759783,237,START: end 24 AG-GC
 3760202,3760438,237,EXACT,AG-GT
 3760821,3761136,316,EXACT,AG

3761491,3761701,211,END: start 1 GT
3762081,3762363,283,EXACT,AG-GT
3763041,3763569,529,EXACT,AG-GT
3764016,3764796,781,EXACT,AG-GT
3765276,3765499,224,EXACT,AG-GT
3765713,3765947,235,EXACT,AG-GT
3766283,3766769,487,EXACT,AG-GT
3766955,3767044,90,EXACT,AG-GT
3767196,3767329,134,EXACT,AG-GT
3767803,3769002,1200,START:Ends:3769387-3769365-3770543-
ID=NCLIV_057500 + 8 G..ATGG
3785670,3785903,234,OVER:Starts:3781404-3782750-3781796-
3786081,3786332,252,END: start -4285 GT (ref:AG-GT)<< Possible error
3786963,3787267,305,EXACT,AG-GT
3787557,3787679,123,EXACT,AG-GT
3787964,3788054,91,EXACT,AG-GT
3788206,3788331,126,START: end 270 AG-GT (ref:AG-GT)<< Possible error
3788525,3788601,77,END: start -319 AG-GT (ref:AG-GT)<< Possible error
3788815,3789115,301,START:Ends:3788846-3792662-3792659-
ID=NCLIV_057510 + 2 A..ATG
3797226,3797436,211,END:Starts:3794423-3794380-3794448-
3797943,3798736,794,START:Ends:3803138-3804322-
ID=NCLIV_057530 + 3 G..ATGG
3803818,3804322,505,END:Ends:3803138-3804322-
3804834,3805285,452,START: end -60 AG-GC (ref:AG-GT)<< Possible error
3805725,3805955,231,START:Ends:3806244-3806270-3806271-
ID=NCLIV_057540 + 14 G..ATGG
3808882,3809757,876,END:Starts:3808439-3808319-
3810530,3810623,94,START: end -2 AG
3811143,3811276,134
3811652,3811704,53
3811967,3812097,131,END: start -3 GT (ref:AG-GT)<< Possible error
3812730,3812817,88,EXACT,AG-GT
3813124,3813211,88,EXACT,AG-GT
3813510,3813680,171,START: end -7 AG
3814159,3814301,143,END: start -1 GT (ref:AG-GT)<< Possible error
3814727,3815031,305,START: end -11 AG
3815546,3815621,76,END: start 12 GT (ref:AG-GT)<< Possible error
3816200,3816440,241,EXACT,AG-GT
3817133,3817193,61,EXACT,AG-GT
3817592,3817644,53,START:Ends:3817870-3819584-
ID=NCLIV_057570 + 5 G..ATGG
3859417,3859597,181,OVER:Starts:3862257-3858296-
3859652,3859831,180,OVER: start -1356 and end 4598 GT
3860234,3864429,4196,END: start -1938 GT
3864896,3869457,4562,START: end 4013 Code:INTERNAL-
3870128,3870254,127,OVER:Starts:3864896-
ID=NCLIV_057620 + 5 A..ATG
3928594,3928629,36,END:Starts:3928199-3928197-3928214-
3929042,3929135,94,EXACT,AG-GT
3929570,3929787,218,EXACT,AG-GT
3930389,3930482,94,EXACT,AG-GT
3931113,3931162,50,START:Ends:3933881-3932275-3932495-
ID=NCLIV_057640 + 7 A..ATG
3943882,3944830,949,END:Starts:3942768-3942775-3942769-
3945246,3945376,131,EXACT,AG-GT
3945693,3945883,191,EXACT,AG-GT
3946301,3946557,257,EXACT,AG-GT
3946927,3946958,32,EXACT,AG-GT
3947351,3947864,514,START: end -20 AG

3948269,3948552,284,START:Starts:3948271-3948269-3948217-
 ID=NCLIV_057660 + 7 [CT]..ATG[ACT]
 3957517,3957600,84,EXACT,ATG:AG-GT
 3957943,3958020,78,EXACT,AG-GT
 3958332,3958400,69,EXACT,AG-GT
 3958760,3958819,60,EXACT,AG-GT
 3959157,3959323,167,EXACT,AG-GT
 3959573,3959724,152,EXACT,AG-GT
 3960382,3960584,203,START:Ends:3961207-3961306-
 ID=NCLIV_057690 + 3 A..ATG
 3986433,3986456,24,END:Starts:3979850-3979888-3980341-
 3987072,3987170,99,EXACT,AG-GT
 3987729,3987839,111,START:Ends:3988491-3988533-3988535-
 ID=NCLIV_057700 + 5 A..ATG
 3990610,3990615,6,END:EXACT
 3992011,3992109,99,END: start -30 AG-GT (ref:CC-GT)<< Possible error
 3992457,3992568,112,EXACT,AG-GT
 3993636,3993878,243,EXACT,AG-GT
 3994144,3994430,287,START:Ends:3994508-3994496-3999202-
 ID=NCLIV_057720 + 3 A..ATG
 4000481,4000572,92,END:Starts:3999612-3999619-
 4000866,4000989,124,EXACT,AG-GT
 4001492,4001608,117,START:Ends:4002131-4002202-4002392-
 ID=NCLIV_057750 + 11 A..ATG
 4032778,4032912,135
 4033462,4033673,212,EXACT,GT
 4033981,4034113,133,EXACT,AG-GT
 4034348,4034458,111,EXACT,AG-GT
 4035004,4035093,90,EXACT,AG-GT
 4035473,4035632,160,EXACT,AG-GT
 4036257,4036309,53,EXACT,AG-GT
 4036689,4036832,144,EXACT,AG-GT
 4037176,4037734,559,EXACT,AG-GT
 4038057,4038161,105,EXACT,AG-GT
 4038793,4039133,341,START:Ends:4039193-4040351-4040482-
 ID=NCLIV_057770 + 7 G..ATGG
 4058525,4058565,41
 4059827,4061757,1931
 4062567,4063586,1020
 4064215,4064640,426
 4064746,4065098,353
 4065339,4066748,1410
 4066935,4068116,1182
 ID=NCLIV_057780 + 9 G..ATGG
 4071046,4071263,218
 4072119,4072252,134
 4072732,4072838,107,END: start -64 GT (ref:AG-GT)<< Possible error
 4073144,4073212,69,EXACT,AG-GT
 4073848,4073910,63,EXACT,AG-GT
 4074283,4074342,60,EXACT,AG-GT
 4074848,4074947,100,EXACT,AG-GT
 4075783,4075844,62,EXACT,AG-GT
 4076674,4077195,522,START:Ends:4080316-4081688-4080499-
 ID=NCLIV_057800 + 8 GCGATGC
 4087751,4091044,3294
 4091531,4092700,1170
 4093174,4093318,145
 4093667,4095408,1742
 4096365,4096554,190
 4097041,4097492,452,EXACT,GT

4097818,4098599,782,EXACT,AG-GT
4099606,4100014,409,OVER:EXACT
ID=NCLIV_057830 + 10 TCCATGG
4129451,4130735,1285,END:Starts:4128214-4128211-
4131533,4132582,1050,END: start -6 AG-GT (ref:AG-GT)<< Possible error
4132939,4133030,92,EXACT,AG-GT
4133325,4133460,136,EXACT,AG-GT
4133684,4133958,275,START: end 125 AG-GT
4134248,4134465,218
4134769,4135033,265,EXACT,AG-GT
4135385,4135478,94,EXACT,AG
4135766,4136218,453,END: start 5 GT (ref:AG-GT)<< Possible error
4136664,4137577,914,START:Ends:4138278-4138661-4138924-
ID=NCLIV_057850 + 4 A..ATG
4142571,4143629,1059,END:Starts:4143597-4142518-
4144070,4144462,393,START: end 220 AG
4144837,4145292,456
4146146,4148419,2274
ID=NCLIV_057870 + 3 A..ATG
4153509,4153945,437,END:Starts:4152830-4152833-4153714-
4154724,4154919,196,EXACT,AG-GT
4155478,4155660,183,START:Ends:4157423-4157439-4157473-
ID=NCLIV_057880 + 2 G..ATGG
4159499,4159784,286
4160622,4160992,371
ID=NCLIV_057910 + 7 GAGATGA
4189283,4189861,579,END:Starts:4188293-4188254-4189121-
4190411,4190613,203,EXACT,AG-GT
4191473,4191560,88,EXACT,AG-GT
4191945,4192031,87,EXACT,AG-GT
4192588,4192721,134,EXACT,AG-GT
4193099,4193174,76,EXACT,AG-GT
4193762,4194163,402,START:Ends:4195509-4195507-
ID=NCLIV_057930 + 14 A..ATG
4210800,4210875,76
4211618,4211741,124,END: start 92 GT
4212200,4212286,87,EXACT,AG-GT
4212565,4212666,102,EXACT,AG-GT
4213117,4213222,106,EXACT,AG-GT
4213606,4213759,154,EXACT,AG-GT
4214025,4214102,78,EXACT,AG-GT
4214725,4214825,101,EXACT,AG-GT
4215636,4215719,84,EXACT,AG-GT
4216121,4216218,98,EXACT,AG-GT
4216466,4216579,114,START: end -28 AG
4217245,4217366,122,END: start 32 TAGITGAITAA:AG-GT
4217551,4218171,621,EXACT,AG-GT
4218755,4218846,92,START:Ends:4219733-4227755-
ID=NCLIV_057960 + 12 A..ATG
4246556,4246637,82,END:Starts:4245629-4245258-4245595-
4246865,4246948,84
4247079,4247203,125,END: start 65 AG-GT
4247614,4247782,169,EXACT,AG-GT
4248412,4249200,789,EXACT,AG-GT
4249530,4250101,572,EXACT,AG-GT
4250384,4250455,72,EXACT,AG-GT
4250789,4250833,45,EXACT,AG-GT
4251565,4251672,108,EXACT,AG-GT
4252095,4252175,81,EXACT,AG-GT
4252606,4252726,121,EXACT,AG-GT

4253163,4254049,887,START:Ends:4254500-4254527-4254467-
ID=NCLIV_057970 + 1 A..ATG
4256769,4258646,1878
ID=NCLIV_057980 + 1 CCAATGG
4260237,4261490,1254
ID=NCLIV_058000 + 2 A..ATG
4271704,4271922,219
4272330,4273283,954
ID=NCLIV_058020 + 6 GCGATGA
4285503,4285514,12,END:Starts:4284847-4284650-
4286196,4286264,69,EXACT,AG-GT
4286536,4287240,705,EXACT,AG-GT
4287729,4288613,885,EXACT,AG-GT
4288896,4289426,531,EXACT,AG-GT
4289802,4290788,987,START:Ends:4291160-4291318-4291143-
ID=NCLIV_058060 + 2 [CT]..ATG[ACT]
4313001,4313574,574
4314016,4314461,446
ID=NCLIV_058120 + 4 GAAATGC
4339329,4341494,2166
4341671,4342432,762,EXACT,GT
4342783,4342847,65,START: end 149 AG
4343473,4343554,82
ID=NCLIV_058130 + 7 A..ATG
4347683,4348273,591,END:Starts:4347905-4346879-
4348616,4348810,195,START: end 855 AG-GT
4349920,4350054,135
4350339,4350468,130
4350844,4350961,118
4351590,4351911,322
4352495,4353253,759
ID=NCLIV_058140 + 6 G..ATGG
4357991,4358114,124,END:Starts:4357451-4357746-
4358841,4359004,164,EXACT,AG-GT
4359512,4359681,170,EXACT,AG-GT
4360149,4360226,78,START: end 877 AG-GT
4360616,4361103,488,END: start -467 AG-GT
4361445,4361866,422,START:Ends:4362338-4362392-
ID=NCLIV_058190 + 4 A..ATG
4394817,4394963,147,END:Starts:4393599-4393561-4393739-
4395590,4395662,73,EXACT,AG-GT
4396437,4396537,101,START: end -7 AG
4397073,4397315,243
ID=NCLIV_058200 + 1 A..ATG
4402188,4403561,1374,OVER:Ends:4403824-4403917-
ID=NCLIV_058210 + 7 A..ATG
4406516,4406549,34
4407148,4407288,141
4407802,4407933,132
4408779,4408916,138
4409131,4409382,252
4409498,4409728,231
4410898,4410935,38
ID=NCLIV_058220 + 23 A..ATG
4414538,4414687,150,END:Starts:4413589-4413593-
4415289,4415394,106,EXACT,AG-GT
4416001,4416060,60,EXACT,ATG:AG-GT
4416467,4416740,274,EXACT,ATG:AG-GT
4417059,4417243,185,EXACT,AG-GT
4417672,4417865,194,EXACT,AG-GT

4418354,4418437,84,EXACT,AG-GT
4418983,4419100,118,EXACT,AG-GT
4419767,4419898,132,EXACT,AG-GT
4420341,4420417,77,START: end -14 AG
4420686,4420892,207,END: start 1 GT
4421253,4421384,132,EXACT,AG-GT
4421901,4421955,55,START: end 460 AG-GT
4422227,4422415,189,END: start -326 AG-GT
4422806,4423093,288,EXACT,AG-GT
4423483,4423622,140,EXACT,AG
4423826,4423887,62,END: start 9 GT (ref:AG-GT)<< Possible error
4424199,4424419,221,START: end -21 AG-GC (ref:AG-GT)<< Possible error
4424742,4424834,93,START: end -7 AG
4425442,4425626,185
4426064,4426386,323
4426918,4427066,149,END: start -1 GT (ref:AG-GT)<< Possible error
4427603,4427697,95
ID=NCLIV_058240 + 5 [CT]..ATG[ACT]
4435983,4436136,154
4436441,4436692,252
4436896,4437126,231
4437628,4437693,66
4437969,4438009,41
ID=NCLIV_058260 + 2 A..ATG
4448131,4448138,8,END:Starts:4448019-4448021-4448028-
4448885,4449134,250,START:Ends:4450100-4450110-4449849-
ID=NCLIV_058290 + 14 G..ATGG
4474374,4474431,58,END:Starts:4473146-4473025-
4475090,4475160,71,START: end -21 AG
4475527,4475897,371
4476874,4476972,99
4477467,4477677,211
4478370,4478424,55,END: start -81 GT
4478774,4479499,726,START: end 747 AG-GT (ref:AG-GT)<< Possible error
4479800,4480246,447,END: start -1026 AG-GT (ref:AG-GT)<< Possible error
4480752,4480956,205,EXACT,AG-GT
4481398,4481650,253,EXACT,AG
4482115,4482321,207,EXACT,GT
4482620,4482839,220,EXACT,AG-GT
4483229,4483335,107,EXACT,AG-GT
4483898,4484050,153,START:Ends:4486492-4485639-4486590-
ID=NCLIV_058300 + 1 A..ATG
4487866,4488366,501
ID=NCLIV_058330 + 16 G..ATGG
4506002,4506173,172
4506625,4506986,362
4507577,4507672,96
4507933,4508030,98
4508438,4508477,40
4508811,4509058,248
4509193,4509267,75
4509436,4509506,71
4510187,4510293,107,START: end 1618 AG-GT
4510979,4511034,56,OVER: start -792 and end 877 AG-GT
4511322,4511495,174,OVER: start -1135 and end 416 AG-GT
4511801,4511911,111,END: start -1614 AG-GT
4512284,4512349,66,START: end 631 AG
4512693,4512980,288,END: start -409 AG
4513401,4513498,98
4513829,4513893,65

ID=NCLIV_058360 + 6 A..ATG
4533070,4533415,346,END:Starts:4532283-4532357-
4533740,4533893,154,EXACT,AG-GT
4534310,4534412,103,EXACT,AG-GT
4534597,4534709,113,EXACT,AG-GT
4535076,4535118,43,EXACT,AG-GT
4535353,4535493,141,START:Ends:4535795-4535787-

ID=NCLIV_058380 + 3 CACATGG
4547652,4547953,302,END:Starts:4545334-4540320-4545366-
4548848,4549055,208,EXACT,AG-GT
4549595,4549774,180,START:Ends:4550311-4550178-4549613-

ID=NCLIV_058400 + 9 GTCATGC
4557433,4558249,817,END:Starts:4556637-4556600-
4558625,4558736,112,EXACT,AG-GT
4559038,4559125,88
4559546,4559663,118,END: start -276 GT
4560168,4560269,102,EXACT,AG-GT
4560771,4560841,71,EXACT,AG-GT
4561578,4561640,63,EXACT,AG-GT
4562175,4562414,240,EXACT,AG-GT
4563163,4563297,135,START:EXACT

ID=NCLIV_058410 + 9 GCAATGC
4566540,4566633,94
4567039,4567293,255
4567690,4568004,315
4568465,4568620,156
4569025,4569247,223
4569595,4569809,215
4569968,4570055,88
4570687,4570736,50
4571103,4571161,59

ID=NCLIV_058430 + 8 [CT]..ATG[ACT]
4579028,4582856,3829,END:Starts:4577578-4577658-4582619-
4583301,4583915,615,START: end 264 AG-GC
4584357,4585916,1560
4586272,4586472,201
4586959,4588458,1500,EXACT,GT
4588949,4589770,822,EXACT,AG-GT
4590306,4590531,226,EXACT,AG-GT
4591189,4592155,967,START:Ends:4593382-4595850-4597656-

ID=NCLIV_058450 + 6 A..ATG
4608870,4608928,59,END:EXACT
4609386,4609440,55,EXACT,AG-GT
4609567,4609633,67,EXACT,AG-GT
4610195,4610341,147,EXACT,AG-GT
4610961,4611210,250,EXACT,AG-GT
4611539,4611587,49,START:EXACT

ID=NCLIV_058480 + 2 GCAATGC
4637557,4638956,1400,END:Starts:4636945-4637485-4638283-
4639671,4639704,34,START:Ends:4640122-4640083-

ID=NCLIV_058500 + 20 A..ATG
4651651,4652570,920
4652891,4653138,248
4653593,4654067,475
4654384,4655104,721
4655496,4655876,381
4656166,4658853,2688,END: start 1367 GT
4659268,4660165,898,END: start 209 GT
4660548,4661143,596,START: end -7 AG
4661476,4662017,542

4662360,4662894,535,END: start 390 GT
 4663190,4665622,2433,END: start 869 GT
 4666118,4666700,583,EXACT,AG
 4667075,4668112,1038,END: start 362 GT
 4668842,4669617,776,EXACT,AG-GT
 4670300,4670529,230,EXACT,AG-GT
 4670815,4672366,1552,EXACT,AG-GT
 4672805,4673827,1023,EXACT,AG-GT
 4674110,4675609,1500,EXACT,AG-GT
 4675996,4677643,1648,EXACT,Info:AG-GC-AG-GT-
 4678098,4678291,194,START:Ends:4678811-4678828-
 ID=NCLIV_058520 + 2 [CT]..ATG[ACT]
 4688024,4690365,2342
 4690984,4691023,40
 ID=NCLIV_058530 + 1 A..ATG
 4692672,4694402,1731,OVER:Starts:4692408-4692400-
 ID=NCLIV_058550 + 3 A..ATG
 4702718,4702732,15,END:Starts:4701631-4701537-4701644-
 4703230,4703457,228,EXACT,AG-GT
 4703763,4703993,231,START:Ends:4704517-4704484-4704396-
 ID=NCLIV_058560 + 8 A..ATG
 4706394,4706588,195
 4706925,4706984,60
 4707305,4708182,878
 4708578,4708808,231
 4709168,4710132,965
 4710485,4710738,254
 4711225,4711545,321,END: start 1 GT
 4711798,4711893,96,START:EXACT
 ID=NCLIV_058570 + 3 A..ATG
 4715139,4720282,5144,END:EXACT
 4720557,4720682,126,EXACT,AG-GT
 4720855,4721053,199,START:Ends:4720872-4721908-4722112-
 ID=NCLIV_058600 + 1 CAAATGG
 4733667,4735478,1812
 ID=NCLIV_058610 + 4 A..ATG
 4738380,4738467,88,END:Starts:4735906-4736997-4735790-
 4739232,4739595,364,EXACT,AG-GT
 4740079,4740332,254,EXACT,AG-GT
 4740797,4740885,89,START:Ends:4744078-4741369-4742114-
 ID=NCLIV_058630 + 6 GCCATGA
 4747804,4748904,1101,END:Starts:4746706-4746576-
 4749616,4749716,101,EXACT,GT
 4749929,4750124,196,START: end -44 Info:ATG:AG-GT-ATG to Stop Codon:AG-GC-
 4750514,4750725,212
 4751116,4751191,76
 4751785,4752354,570
 ID=NCLIV_058650 + 2 [CT]..ATG[ACT]
 4757106,4757260,155
 4758574,4760821,2248
 ID=NCLIV_058660 + 3 [CT]..ATG[ACT]
 4763692,4764337,646
 4764982,4765329,348
 4765726,4766333,608
 ID=NCLIV_058680 + 4 A..ATG
 4775174,4775392,219
 4776037,4779505,3469
 4780013,4780122,110
 4781246,4781386,141
 ID=NCLIV_058690 + 1 TGTATGG

4782180,4782863,684
 ID=NCLIV_058710 + 3 [CT]..ATG[ACT]
 4794793,4794976,184
 4795078,4795446,369
 4795552,4795649,98
 ID=NCLIV_058730 + 2 A..ATG
 4801501,4802442,942,END:Starts:4800907-4800911-4800886-
 4803089,4803319,231,START:Ends:4803733-4804490-4804385-
 ID=NCLIV_058750 + 1 GCCATGT
 4816979,4819030,2052,OVER:Ends:4822785-4822762-4822806-
 ID=NCLIV_058780 + 1 A..ATG
 4828862,4829941,1080
 ID=NCLIV_058800 + 4 TATATGG
 4838134,4838799,666
 4839165,4839485,321
 4840002,4840388,387
 4840912,4842426,1515
 ID=NCLIV_058820 + 3 TTTATGG
 4851768,4852109,342
 4852461,4852600,140
 4853218,4853482,265
 ID=NCLIV_058840 + 3 A..ATG
 4859807,4860206,400,END:Starts:4857624-4858940-4857729-
 4860539,4860727,189,EXACT,AG-GT
 4861150,4861289,140,START:Ends:4861556-4861817-4861540-
 ID=NCLIV_058860 + 5 A..ATG
 4867282,4867544,263,END:Starts:4865853-4866046-
 4868163,4868249,87,EXACT,AG-GT
 4868528,4868597,70,EXACT,AG-GT
 4869684,4869789,106,START: end 3185 AG
 4870030,4870115,86,START:Ends:4871086-4871552-
 ID=NCLIV_058890 + 3 A..ATG
 4888490,4888551,62,END:Starts:4887279-4888029-4888233-
 4889062,4889182,121,EXACT,AG-GT
 4889333,4890511,1179,START:EXACT
 ID=NCLIV_058900 + 1 [CT]..ATG[ACT]
 4894033,4894731,699
 ID=NCLIV_058910 + 25 [CT]..ATG[ACT]
 4897510,4897554,45
 4898353,4898624,272
 4899090,4899385,296
 4899850,4900037,188
 4900293,4901009,717,END: start 10 GT
 4901295,4904419,3125
 4904828,4905680,853
 4906268,4906727,460,END: start -1 GT
 4907338,4907604,267,START: end -27 AG-GT
 4908099,4910685,2587
 4911198,4911401,204
 4912186,4912385,200
 4912884,4913097,214
 4913420,4913945,526,END: start -1 GT
 4914132,4914782,651,EXACT,AG-GT
 4915367,4916348,982,EXACT,Info:AG-GT-TAG|TGA|TAA:AG-GT-
 4916800,4918001,1202,EXACT,GT
 4918130,4918286,157,EXACT,AG
 4918535,4918830,296
 4919270,4919504,235
 4920054,4920229,176,END: start 33 GT
 4920851,4921099,249,EXACT,AG-GT

4921565,4921848,284,START: end -8 AG
 4922401,4923078,678,END: start -3 GT (ref:AG-GT)<< Possible error
 4923437,4923539,103,START:Ends:4924254-4924345-4924242-
 ID=NCLIV_058920 + 7 A..ATG
 4927317,4927529,213
 4927877,4928025,149
 4928840,4928959,120
 4929294,4929531,238
 4929878,4930147,270
 4930802,4930868,67
 4931216,4931346,131
 ID=NCLIV_058930 + 4 GCTATGA
 4935592,4940710,5119
 4941265,4941412,148
 4941710,4942018,309
 4942483,4947151,4669
 ID=NCLIV_058950 + 2 A..ATG
 4957721,4958129,409
 4958759,4959840,1082
 ID=NCLIV_058960 + 5 A..ATG
 4965922,4967274,1353
 4967624,4967760,137,EXACT,GT
 4968012,4968401,390,EXACT,AG-GT
 4968658,4969168,511,OVER: start -2 and end 210 NONE
 4969220,4970371,1152
 ID=NCLIV_058990 + 15 A..ATG
 4991456,4991590,135,END:Starts:4991398-4990566-4990800-
 4992074,4992191,118,EXACT,AG-GT
 4992643,4992740,98,EXACT,AG-GT
 4993196,4993516,321,EXACT,AG-GT
 4993822,4993917,96,EXACT,AG-GT
 4994248,4994295,48,EXACT,AG-GT
 4994579,4994786,208,EXACT,AG-GT
 4994918,4995189,272,START: end -7 AG
 4995732,4995965,234,EXACT,GT
 4996229,4996318,90,EXACT,AG-GT
 4996714,4996783,70,EXACT,AG-GT
 4997034,4997265,232,EXACT,AG-GT
 4997670,4997725,56,START: end 3 AG
 4997999,4998384,386,END: start 3 GT (ref:AG-GT)<< Possible error
 4998962,4999096,135,START:Ends:4999390-4999301-4999308-
 ID=NCLIV_059010 + 2 A..ATG
 5004827,5004898,72
 5004998,5005240,243
 ID=NCLIV_059050 + 3 G..ATGG
 5025861,5026082,222,END:Starts:5025290-5025209-5025877-
 5026606,5026674,69,EXACT,AG-GT
 5027199,5027300,102,START:Ends:5028994-5029111-5029026-
 ID=NCLIV_059100 + 15 A..ATG
 5074752,5074824,73
 5075138,5075239,102
 5075611,5075726,116,END: start -4 GT
 5076094,5076267,174,START: end -16 AG
 5076837,5077073,237,END: start -1 GT
 5077473,5078009,537,EXACT,AG-GT
 5078329,5078392,64,START: end -2 AG
 5078719,5078834,116,END: start -134 GT
 5079183,5079276,94,EXACT,AG-GT
 5079703,5079788,86,EXACT,AG-GT
 5080876,5081109,234,EXACT,AG-GT

5081320,5081539,220,EXACT,TAG|TGA|TAA:AG-GT
5081974,5082053,80,EXACT,AG-GT
5082648,5082734,87,EXACT,AG-GT
5083382,5083630,249,START:Ends:5084655-5084771-
ID=NCLIV_059120 + 2 A..ATG
5095233,5101175,5943,END:Starts:5090616-5090943-5092286-
5101614,5103956,2343,START:Ends:5104830-5107138-5107129-
ID=NCLIV_059130 + 2 A..ATG
5119457,5119562,106,END:EXACT
5119887,5120062,176,START:Ends:5121194-5121149-
ID=NCLIV_059150 + 30 A..ATG
5123776,5123988,213,END:EXACT
5124586,5124726,141,EXACT,AG-GT
5125004,5125152,149,EXACT,AG-GT
5125657,5125975,319,EXACT,AG-GT
5126430,5126566,137,EXACT,AG-GT
5127372,5127492,121,EXACT,AG-GT
5127912,5128009,98,END: start 4 GT
5128427,5128618,192,EXACT,AG-GT
5129460,5129526,67,EXACT,AG-GT
5129929,5130060,132,EXACT,AG-GT
5130390,5130542,153,EXACT,AG-GT
5131125,5131320,196,EXACT,AG-GT
5132334,5132846,513,EXACT,AG-GT
5133200,5133311,112,EXACT,AG-GT
5133766,5133889,124,START: end 627 ATG:AG-GT
5134268,5134516,249,EXACT,Info:AG-GT-ATG:AG-GT-acceptor=CA-
5135065,5135285,221,EXACT,AG-GT
5136045,5136188,144,EXACT,AG-GT
5136791,5136950,160
5138116,5138334,219,EXACT,AG-GT
5139079,5142333,3255,START: end -27 AG
5142783,5142890,108
5143362,5143431,70,END: start -1 GT (ref:AG-GT)<< Possible error
5143703,5143789,87,EXACT,AG-GT
5144123,5144254,132,START: end 248 AG
5144914,5145191,278,END: start -222 GT (ref:AG-GT)<< Possible error
5145514,5145603,90,EXACT,AG-GT
5145873,5145963,91,EXACT,AG-GT
5146702,5146865,164,EXACT,ATG:AG-GT
5147523,5147597,75,START:Ends:5148157-5148317-5148603-
ID=NCLIV_059180 + 5 [CT]..ATG[ACT]
5169442,5169584,143,EXACT,ATG:AG-GT
5170209,5170555,347,START: end -15 AG
5171107,5171161,55,END: start -69 GT (ref:AG-GT)<< Possible error
5171584,5171660,77,START: end 35 AG-GT (ref:AG-GT)<< Possible error
5171751,5171788,38
ID=NCLIV_059190 + 10 G..ATGG
5188976,5189246,271,END:Starts:5188312-5188333-5188384-
5189784,5189900,117,EXACT,AG-GT
5190275,5190567,293,EXACT,AG-GT
5191295,5191532,238,EXACT,AG-GT
5191979,5192184,206,EXACT,AG-GT
5192682,5192931,250,EXACT,AG-GT
5193411,5193762,352,START: end -27 AG-GT
5194087,5194328,242,EXACT,AG-GT
5194553,5194668,116,EXACT,AG-GT
5195195,5195293,99,START:EXACT
ID=NCLIV_059240 + 2 [CT]..ATG[ACT]
5237928,5238016,89

5238853,5239372,520
ID=NCLIV_059260 + 10 A..ATG
5246986,5247053,68,END:Starts:5246094-5246047-
5247374,5249294,1921,END: start 224 GT
5249534,5249795,262,EXACT,AG-GT
5250195,5250350,156,EXACT,AG-GT
5250453,5250555,103,EXACT,AG-GT
5251040,5251120,81,EXACT,AG-GT
5251582,5251720,139,EXACT,AG-GT
5252122,5252616,495,EXACT,AG-GT
5253110,5253239,130,EXACT,AG-GT
5253613,5254043,431,START:Ends:5254353-5254314-5254218-
ID=NCLIV_059270 + 8 GACATGA
5255689,5255733,45
5255797,5255948,152
5256010,5256028,19
5256085,5256167,83
5256220,5256246,27
5256305,5256371,67
5256430,5256491,62
5256547,5256712,166
ID=NCLIV_059290 + 14 GGCATGT
5259362,5259577,216,END:EXACT
5260053,5260164,112,START: end -4 Info:AG-GT-AG-GC-
5260824,5261011,188,EXACT,AG-GT
5261328,5261432,105,EXACT,AG
5262130,5262186,57,EXACT,GT
5262442,5262587,146,EXACT,AG-GT
5263208,5263355,148,START: end -7 AG
5263768,5263967,200,EXACT,GT
5264186,5264330,145,EXACT,AG-GT
5264684,5264778,95,EXACT,AG-GT
5265244,5265312,69,EXACT,AG-GT
5266135,5266260,126,EXACT,AG-GT
5266787,5266846,60,EXACT,AG-GT
5267514,5267613,100,START:Ends:5268501-5268421-5269971-
ID=NCLIV_059310 + 3 G..ATGG
5274925,5276372,1448,END:Starts:5274403-5274392-5274425-
5276887,5277374,488,EXACT,AG-GT
5277638,5277759,122,START:Ends:5278984-5278068-5278057-
ID=NCLIV_059330 + 10 A..ATG
5292511,5292606,96
5293633,5293754,122
5294598,5294643,46
5295395,5295551,157
5295994,5296058,65
5296518,5296728,211
5297005,5297255,251
5297601,5297739,139
5297883,5298012,130
5298905,5298917,13
ID=NCLIV_059350 + 2 A..ATG
5311740,5312060,321
5312428,5312958,531
ID=NCLIV_059370 + 10 A..ATG
5321227,5322504,1278,END:Starts:5320641-5320649-5321831-
5322766,5323161,396,EXACT,AG-GT
5323510,5323696,187,EXACT,AG-GT
5323817,5323923,107,EXACT,AG-GT
5324097,5324227,131,EXACT,AG-GT

5324363,5324508,146,EXACT,AG-GT
5324612,5324709,98,EXACT,AG-GT
5324818,5325054,237,EXACT,AG-GT
5325145,5325209,65,EXACT,AG-GT
5326267,5326327,61
ID=NCLIV_059390 + 6 A..ATG
5332273,5332329,57,END:Starts:5330835-5331907-5331952-
5332903,5333024,122,START: end -5 AG
5333234,5333394,161,END: start -65 GT (ref:AG-GT)<< Possible error
5333872,5334048,177,EXACT,AG-GT
5334606,5334725,120,EXACT,AG-GT
5334978,5335006,29,START:EXACT
ID=NCLIV_059400 + 4 A..ATG
5338266,5338444,179,END:EXACT
5338602,5338655,54,EXACT,AG-GT
5339118,5339182,65,EXACT,AG-GT
5339488,5339549,62,START:Ends:5339499-5340464-5339506-
ID=NCLIV_059420 + 14 A..ATG
5344725,5345037,313,OVER:Starts:5343958-5343965-5344459-
5345833,5346024,192,END: start -1868 GT (ref:AG-GT)<< Possible error
5346567,5346962,396,EXACT,AG-GT
5347203,5347426,224,EXACT,AG-GT
5347722,5347808,87,EXACT,AG-GT
5348112,5348320,209,EXACT,AG-GT
5348818,5348982,165,START: end 235 AG-GT
5349410,5349480,71
5349703,5349815,113,EXACT,Info:AG-GC-AG-GT-
5350352,5350429,78,EXACT,AG-GT
5350661,5350728,68,EXACT,AG-GT
5350994,5351153,160,EXACT,AG-GT
5351588,5351632,45,EXACT,AG-GT
5352257,5352331,75,START:Ends:5352922-5353095-5353089-
ID=NCLIV_059450 + 6 A..ATG
5379999,5380070,72,END:Starts:5379698-5379927-
5381140,5381207,68,EXACT,AG-GT
5381505,5381635,131,EXACT,AG-GT
5381918,5382647,730,EXACT,AG-GT
5382956,5383074,119,EXACT,AG-GT
5383601,5383785,185,START:Ends:5384338-5384354-5384331-
ID=NCLIV_059470 + 3 [CT]..ATG[ACT]
5389532,5390737,1206
5391152,5391547,396
5392150,5393508,1359
ID=NCLIV_059520 + 13 A..ATG
5422414,5424515,2102,END:Starts:5423130-5421857-
5425378,5425711,334,EXACT,GT
5426288,5426449,162,EXACT,AG-GT
5426754,5426908,155,EXACT,AG-GT
5427509,5427602,94,START: end -16 AG
5428176,5428248,73,END: start -6 GT (ref:AG-GT)<< Possible error
5428628,5428683,56,EXACT,AG-GT
5429096,5429158,63,EXACT,AG-GT
5429386,5429460,75,EXACT,AG-GT
5429841,5429975,135,EXACT,AG-GT
5430694,5430902,209,EXACT,AG-GT
5431191,5431367,177,START: end -22 AG
5431775,5431967,193
ID=NCLIV_059530 + 11 A..ATG
5438274,5438829,556,END:Starts:5437557-5437608-
5439183,5439342,160,EXACT,AG-GT

5439957,5439993,37,EXACT,AG-GT
5440363,5440496,134,EXACT,AG-GT
5441046,5441142,97,EXACT,AG-GT
5441608,5441667,60,EXACT,AG-GT
5441968,5442068,101,EXACT,AG-GT
5442702,5442801,100,START: end -7 AG
5443247,5443457,211,END: start 3 GT
5443943,5444272,330,EXACT,AG-GT
5444551,5445257,707
ID=NCLIV_059550 + 5 A..ATG
5454482,5455721,1240,END:Starts:5453523-5453568-5453610-
5456182,5457558,1377,EXACT,AG-GT
5457734,5457957,224,EXACT,AG-GT
5458415,5458517,103,EXACT,AG-GT
5459038,5459150,113,START:Ends:5459860-5459813-5459964-
ID=NCLIV_059570 + 3 TAAATGG
5475522,5475651,130,OVER:Starts:5474960-5474885-
5476251,5477298,1048,WITHIN: start 35 and end -892 AG
5477659,5478217,559
ID=NCLIV_059590 + 16 A..ATG
5483985,5484084,100,END:Starts:5483172-5483162-5483536-
5484811,5484902,92,EXACT,AG-GT
5485404,5485473,70
5486037,5486089,53
5486659,5486677,19
5487042,5487116,75,END: start -295 GT
5487590,5487698,109,EXACT,AG-GT
5488237,5488360,124,EXACT,AG-GT
5488899,5488965,67,EXACT,AG-GT
5489545,5489591,47,START: end 10 AG
5489806,5489838,33
5490335,5490490,156,END: start -4 GT
5491298,5491354,57,EXACT,AG-GT
5491948,5491984,37,START: end -1 AG
5492451,5492522,72,END: start -229 GT (ref:AG-GT)<< Possible error
5492995,5493074,80,START:Ends:5493402-5493533-5494774-
ID=NCLIV_059610 + 1 TCAATGG
5503613,5504968,1356
ID=NCLIV_059630 + 5 A..ATG
5514004,5514486,483
5514953,5515294,342
5515668,5515836,169
5516428,5516664,237
5516892,5517094,203
ID=NCLIV_059650 + 38 G..ATGG
5531538,5534564,3027,END:Starts:5530119-5532286-
5535032,5535261,230,EXACT,AG-GT
5535718,5535896,179,START: end -74 AG
5536234,5536861,628,END: start 9 GT (ref:AG-GT)<< Possible error
5537270,5537426,157,EXACT,AG-GT
5538149,5538256,108,EXACT,AG-GT
5538631,5538856,226,EXACT,AG-GT
5539433,5539541,109,EXACT,AG-GT
5540059,5540183,125,EXACT,AG-GT
5540510,5540761,252,START: end -8 AG
5541123,5541463,341,END: start -6 GT
5542040,5542219,180,EXACT,AG-GT
5542647,5542882,236,END: start 5 GT
5543495,5543873,379,EXACT,AG-GT
5544149,5544315,167,EXACT,AG-GT

5544550,5544778,229,EXACT,AG-GT
5545239,5545400,162,EXACT,AG-GT
5545943,5546068,126,EXACT,AG-GT
5546516,5546627,112,EXACT,AG-GT
5546918,5547032,115,START: end 4 AG-GT
5547498,5547705,208,END: start 3 GT
5548057,5548168,112,START: end -11 AG
5548306,5548484,179,END: start -3 GT
5548870,5549027,158,EXACT,AG-GT
5549472,5549676,205,EXACT,AG-GT
5550212,5550688,477,EXACT,AG-GT
5551184,5551337,154,EXACT,AG-GT
5551535,5551648,114,EXACT,AG-GT
5551987,5552277,291,START: end 810 GT
5552741,5553087,347,END: start -754 GT
5553474,5553785,312,EXACT,AG-GT
5554223,5554407,185,EXACT,AG-GT
5554747,5555215,469,EXACT,AG-GT
5556023,5556250,228,EXACT,AG-GT
5556708,5556897,190,EXACT,AG-GT
5557296,5557445,150,EXACT,AG-GT
5557837,5557967,131,EXACT,AG-GT
5558269,5558391,123,START:Ends:5559264-5559269-5559255-
ID=NCLIV_059710 + 3 G..ATGG
5607892,5608097,206,END:Starts:5607439-5606204-
5608634,5610188,1555,START: end 2255 AG
5610457,5610729,273,OVER:Ends:5610181-5612443-
ID=NCLIV_059730 + 9 A..ATG
5616857,5617884,1028,END:Starts:5616278-5616224-
5618325,5618643,319,EXACT,AG-GT
5618990,5619112,123,START: end -37 AG
5619383,5619483,101
5620095,5620158,64
5620612,5620706,95,EXACT,GT
5621214,5621439,226,EXACT,AG-GT
5621893,5621985,93,EXACT,AG-GT
5622430,5622555,126,START:Ends:5622997-5623011-
ID=NCLIV_059760 + 3 [CT]..ATG[ACT]
5640008,5640051,44,END:Starts:5639379-5639374-5639386-
5640694,5640907,214,EXACT,AG-GT
5641187,5643094,1908,START:Ends:5646858-5646299-
ID=NCLIV_059780 + 1 G..ATGG
5650318,5651862,1545
ID=NCLIV_059790 + 4 A..ATG
5656771,5656839,69,END:Starts:5656011-5656023-5656079-
5657455,5657608,154,EXACT,AG-GT
5658067,5658309,243,START: end 1 AG
5658901,5659217,317,OVER:Ends:5659818-5660119-
ID=NCLIV_059810 + 4 A..ATG
5665998,5666149,152
5666464,5666569,106,START: end 272 GT
5666745,5666841,97,END: start -281 GT
5667291,5667331,41,OVER:Starts:5667269-
ID=NCLIV_059830 + 6 G..ATGG
5686195,5686235,41,END:EXACT
5686362,5686545,184,EXACT,AG-GT
5686646,5686748,103,START: end 330 AG-GT
5686961,5687078,118,END: start -315 AG-GT
5687174,5687247,74,EXACT,AG-GT
5687360,5687406,47,START:Ends:5687400-5687792-5687751-

ID=NCLIV_059860 + 17 A..ATG
 5701102,5701148,47
 5702002,5702185,184
 5702673,5702798,126
 5703091,5703867,777,END: start 5 GT
 5704475,5704679,205,EXACT,AG
 5705142,5706188,1047,END: start 2 GT (ref:AG-GT)<< Possible error
 5706587,5706664,78,EXACT,AG-GT
 5707185,5707362,178,EXACT,AG-GT
 5707736,5707812,77
 5708436,5708799,364,END: start -623 AG-GT (ref:AG-GT)<< Possible error
 5709239,5709353,115,EXACT,AG-GT
 5709705,5710154,450,START: end -4 AG-GT
 5710492,5710632,141,END: start -5 GT
 5711306,5711527,222,START: end 4 AG
 5711847,5712062,216,END: start -146 GT
 5712470,5712591,122,EXACT,AG-GT
 5713008,5713536,529,START:Ends:5714758-5715593-
 ID=NCLIV_059870 + 1 G..ATGG
 5718781,5720298,1518
 ID=NCLIV_059890 + 5 A..ATG
 5764757,5764894,138
 5765055,5765117,63
 5765296,5765370,75
 5765693,5765744,52
 5766893,5767713,821
 ID=NCLIV_059910 + 5 GCCATGC
 5777764,5777772,9,END:Starts:5776923-5776911-
 5778373,5778562,190,EXACT,AG
 5779069,5779167,99,EXACT,GT
 5779991,5780518,528,START: end -489 AG-GT
 5780672,5781441,770
 ID=NCLIV_059920 + 11 G..ATGG
 5784393,5784482,90,END:Starts:5783389-5783371-5783609-
 5785027,5785180,154,EXACT,AG-GT
 5785428,5785706,279,EXACT,ATG:AG-GT
 5786115,5786345,231,EXACT,AG-GT
 5786650,5786816,167,EXACT,AG-GT
 5787023,5787074,52,EXACT,AG-GT
 5787745,5787878,134,EXACT,AG-GT
 5788348,5788446,99,EXACT,AG-GT
 5788943,5789026,84,EXACT,AG-GT
 5789224,5789427,204,EXACT,Info:ATG:AG-GT-AG-GT-acceptor=TG-
 5789939,5790031,93,START:Ends:5792150-5791896-5792119-
 ID=NCLIV_059940 + 12 A..ATG
 5806210,5807174,965,END:Starts:5805575-5805843-
 5808090,5808189,100,EXACT,AG-GT
 5808703,5808801,99,EXACT,AG-GT
 5809148,5809210,63,EXACT,AG-GT
 5810067,5810146,80,EXACT,AG-GT
 5810807,5810932,126,START: end -3 AG
 5811345,5811578,234,EXACT,GT
 5811978,5812191,214,EXACT,AG-GT
 5812545,5812808,264,START: end 106 AG
 5813398,5813398,1
 5813424,5813512,89,END: start 11 GT (ref:AG-GT)<< Possible error
 5814028,5814072,45,START:EXACT
 ID=NCLIV_059960 + 11 CCCATGG
 5827069,5827426,358
 5827950,5828167,218

5828714,5828847,134
5829409,5829849,441
5830408,5835685,5278
5836059,5836357,299
5837026,5838013,988
5838413,5842447,4035,END: start 2932 GT
5842976,5845273,2298,START: end -1672 AG-GT
5845820,5846016,197,EXACT,GT
5846633,5849534,2902,START:Ends:5850430-5850429-
ID=NCLIV_059970 + 3 GGAATGA
5854593,5858903,4311
5859159,5860440,1282
5861327,5861415,89
ID=NCLIV_059990 + 8 [CT]..ATG[ACT]
5871599,5872468,870,END:Starts:5870566-5870077-
5873063,5873149,87,EXACT,AG-GT
5873624,5873730,107,EXACT,AG-GT
5874066,5874183,118,EXACT,AG-GT
5874463,5874663,201,EXACT,AG-GT
5874886,5875029,144,EXACT,AG-GT
5875364,5875974,611,EXACT,AG-GT
5876362,5876470,109,START:Ends:5877937-5878080-5877946-
ID=NCLIV_060010 + 8 [CT]..ATG[ACT]
5884765,5885069,305
5885643,5885739,97
5886166,5886315,150
5886721,5887024,304
5887713,5887933,221
5888489,5888565,77
5888724,5889022,299
5889265,5889332,68
ID=NCLIV_060015 + 7 A..ATG
5890606,5891130,525
5891859,5892194,336,START: end -5 AG
5892392,5892499,108
5892919,5893110,192
5893834,5893956,123
5894255,5894394,140
5894879,5894969,91
ID=NCLIV_060100 + 7 A..ATG
5949898,5950442,545
5951129,5951286,158
5952689,5952859,171,END: start -48 GT (ref:AG-GT)<< Possible error
5953252,5953301,50,EXACT,AG-GT
5953871,5953937,67,EXACT,AG-GT
5954998,5955090,93,EXACT,AG-GT
5955646,5955782,137,START:Ends:5959500-5959490-5959480-
ID=NCLIV_060120 + 7 A..ATG
5966797,5968665,1869
5969177,5969275,99
5969405,5969494,90
5969865,5969933,69,END: start 18 GT (ref:AG-GT)<< Possible error
5970521,5970821,301,START: end -81 AG-GC (ref:AG-GT)<< Possible error
5970998,5971092,95,EXACT,AG-GT
5971351,5971440,90,START:Ends:5972080-5971679-5971648-
ID=NCLIV_060130 + 6 A..ATG
5973882,5974733,852,END:Starts:5973663-5973806-5973817-
5975257,5975352,96,EXACT,AG-GT
5975915,5976006,92,EXACT,AG-GT
5976556,5976602,47,EXACT,AG-GT

5977021,5977232,212,EXACT,AG-GT
 5977796,5977858,63,START:Ends:5978188-5978780-5982155-
 ID=NCLIV_060140 + 1 A..ATG
 5979971,5981578,1608
 ID=NCLIV_060150 + 13 A..ATG
 5985643,5985704,62,END:EXACT
 5986163,5986296,134,EXACT,AG-GT
 5986669,5986946,278,EXACT,AG-GT
 5987198,5987398,201,START: end 2 AG
 5987871,5988173,303,START: end 44 AG
 5989062,5989163,102,START: end 2 AG
 5989628,5989822,195
 5990071,5991105,1035,START: end -41 AG
 5991372,5991392,21
 5991796,5991940,145,END: start -417 GT (ref:AG-GT)<< Possible error
 5992308,5992487,180,EXACT,AG-GT
 5993365,5993727,363,START: end 1537 AG
 5993943,5995033,1091,OVER:Ends:5995264-5995262-5995266-
 ID=NCLIV_060160 + 1 [CT]..ATG[ACT]
 5996671,5997252,582
 ID=NCLIV_060180 + 1 A..ATG
 6005910,6011576,5667
 ID=NCLIV_060210 + 7 CTCATGG
 6027883,6027992,110
 6028543,6028637,95,OVER: start -37 and end 4711 GT
 6029054,6029142,89,OVER: start -548 and end 4206 GT
 6029475,6029549,75,OVER: start -969 and end 3799 GT
 6030490,6030617,128,OVER: start -1984 and end 2731 GT
 6030907,6030982,76,OVER: start -2401 and end 2366 GT
 6031319,6031462,144,OVER:Starts:6030490-6028506-
 ID=NCLIV_060220 + 5 A..ATG
 6034300,6035501,1202,END:Starts:6034095-6031319-6033836-
 6036035,6036931,897,EXACT,AG-GT
 6037243,6043500,6258,EXACT,AG-GT
 6043895,6044387,493,EXACT,AG-GT
 6045215,6045310,96,START:Ends:6050468-6049469-6046141-
 ID=NCLIV_060240 + 9 TCTATGG
 6053022,6053233,212
 6053875,6053934,60
 6055070,6055436,367
 6056019,6056255,237,EXACT,AG-GT
 6056508,6056776,269,EXACT,AG-GT
 6057068,6057122,55,START: end 1093 GT
 6057922,6058215,294,END: start -854 GT
 6058896,6059005,110,END: start -286 AG-GT
 6059528,6059579,52,OVER:Ends:6060019-6059988-
 ID=NCLIV_060250 + 3 CTCATGG
 6062455,6062576,122,END:Starts:6061645-6060807-6061633-
 6063006,6063086,81,EXACT,AG-GT
 6063821,6063845,25,START:Ends:6064438-6063850-6064317-
 ID=NCLIV_060260 + 15 A..ATG
 6066978,6067493,516,END:Starts:6065761-6066025-
 6067863,6068149,287,EXACT,TAG|TGA|TAA:AG-GT
 6068546,6070245,1700,EXACT,AG-GT
 6070578,6070653,76,EXACT,AG-GT
 6070847,6071188,342,EXACT,AG-GT
 6071981,6072077,97,EXACT,AG-GT
 6072494,6072580,87,EXACT,AG-GT
 6072811,6072870,60,EXACT,AG-GT
 6073409,6073483,75,START: end 19 AG-GT (ref:AG-GT)<< Possible error

6073886,6073993,108,EXACT,AG-GT
6074614,6074837,224,END: start 37 AG-GT (ref:AG-GT)<< Possible error
6075043,6075289,247,EXACT,AG-GT
6075528,6075677,150,EXACT,AG-GT
6076150,6076243,94,EXACT,AG-GT
6076758,6076831,74,START:Ends:6077481-6077944-6077906-
ID=NCLIV_060270 + 1 A..ATG
6078220,6078969,750
ID=NCLIV_060280 + 1 A..ATG
6080681,6081406,726

CHROMOSOME XI – REVERSE

ID=NCLIV_053160 - 3 A..ATG
38569,38904,336
39321,39515,195,OVER: start -99 and end 59 AG-GT (ref:AC-GT)<< Possible error
39928,40080,153,OVER:Ends:40941-40931-40958-
ID=NCLIV_053180 - 5 G..ATGG
46155,46387,233,END:Starts:44539-45583-45494-
46748,46993,246,EXACT,AG-GT
47476,47673,198,EXACT,AG-GT
48005,48087,83,EXACT,AG-GT
48487,48542,56
ID=NCLIV_053190 - 14 A..ATG
51926,51996,71,END:Starts:51512-51560-51553-
52313,52456,144,EXACT,AG-GT
52927,53128,202,EXACT,AG-GT
53494,53595,102,EXACT,AG-GT
53907,54050,144,EXACT,AG-GT
54532,54779,248,EXACT,AG-GT
54970,55136,167,EXACT,AG-GT
55864,56075,212,EXACT,AG-GT
56545,56691,147,EXACT,AG-GT
57035,57203,169,EXACT,AG-GT
57824,57939,116,EXACT,AG-GT
58606,58732,127,EXACT,AG-GT
58951,59068,118,EXACT,AG-GT
60050,60107,58,START:Ends:60431-60422-60423-
ID=NCLIV_053210 - 10 GAGATGC
68490,69111,622,END:EXACT
69593,69668,76,EXACT,AG-GT
70010,70053,44,EXACT,AG-GT
70663,70738,76,EXACT,AG-GT
71325,71463,139,EXACT,AG-GT
72039,72204,166,EXACT,AG-GT
72496,72566,71,EXACT,ATG:AG-GT
73312,73415,104,EXACT,AG-GT
73752,74786,1035,EXACT,AG-GT
75679,77365,1687
ID=NCLIV_053220 - 4 A..ATG
80559,80842,284,END:Starts:80071-80068-80108-
81408,81555,148,EXACT,AG-GT
81938,81991,54,EXACT,AG-GT
82474,82848,375,START:Ends:83329-83283-83282-
ID=NCLIV_053230 - 5 A..ATG
85356,85648,293,END:Starts:85134-85031-85113-
86095,86157,63,EXACT,AG-GT
86707,86830,124,EXACT,ATG:AG-GT
87227,87746,520,START: end 23 AG-GT (ref:AC-GT)<< Possible error
88564,89000,437

ID=NCLIV_053280 - 7 A..ATG
131395,131517,123
131755,132148,394,EXACT,Info:AG-GT-donor=AG-AG-GC-
132706,132794,89,EXACT,AG-GT
133093,133213,121,EXACT,AG-GT
133419,133540,122,EXACT,AG-GT
133714,133752,39,EXACT,AG-GT
134188,134790,603,START:Ends:135842-140637-

ID=NCLIV_053330 - 4 TCAATGG
165861,166711,851,END:Starts:165312-165310-165306-
167342,167444,103,EXACT,AG-GT
167645,167714,70,EXACT,AG-GT
168010,168968,959,START:Ends:169701-169644-169641-

ID=NCLIV_053350 - 5 GTGATGA
182731,184769,2039,END:Ends:183123-184769-
185469,185881,413
186273,187029,757
187438,187569,132
188333,189413,1081

ID=NCLIV_053370 - 7 A..ATG
214138,214569,432,END:EXACT
215014,215289,276,EXACT,ATG:AG-GT
215459,215530,72,EXACT,AG-GT
216008,216069,62,EXACT,GT
216611,216963,353,EXACT,Info:Stop Codon:AG-GC-AG-GT-
218277,218397,121,EXACT,TAG|TGA|TAA:AG-GT
218805,219255,451,START:Ends:220408-220346-220399-

ID=NCLIV_053410 - 11 GAAATGC
239924,240904,981,END:Starts:240541-235992-
241047,241502,456,EXACT,AG-GT
241700,241777,78,EXACT,AG-GT
242039,242120,82,START: end 531 GT
242432,242563,132,OVER: start -393 and end 88 GT
242919,243088,170
243327,243366,40
244721,244827,107,END: start -623 AG
245814,245941,128,START: end -2 GT
246250,246331,82
246912,246980,69

ID=NCLIV_053430 - 1 A..ATG
267258,270872,3615

ID=NCLIV_053440 - 3 A..ATG
274452,275565,1114,END:Starts:272453-272486-272461-
276024,276481,458,EXACT,AG-GT
276953,277177,225,START:Ends:277420-277416-280533-

ID=NCLIV_053450 - 3 G..ATGG
278904,280259,1356
280771,280995,225
281609,285052,3444

ID=NCLIV_053460 - 7 TCGATGG
287798,287810,13,END:Starts:285439-286858-287063-
288274,288355,82,EXACT,GT
288791,288845,55
289219,289307,89,END: start -274 AG (ref:AC-GT)<< Possible error
289604,289673,70,EXACT,AG-GT
290177,290241,65,EXACT,AG-GT
290780,291209,430,START:Ends:291504-291482-291501-

ID=NCLIV_053480 - 2 A..ATG
301285,302453,1169
302911,304600,1690

ID=NCLIV_053490 - 1 A..ATG
 307297,309168,1872,OVER:EXACT
 ID=NCLIV_053500 - 2 A..ATG
 313306,314567,1262
 315175,315748,574
 ID=NCLIV_053540 - 1 [CT]..ATG[ACT]
 332610,336884,4275
 ID=NCLIV_053550 - 7 A..ATG
 340255,340374,120
 341176,341204,29
 341622,342114,493
 343093,343158,66
 343501,343575,75
 344173,344372,200
 344922,346167,1246
 ID=NCLIV_053560 - 1 A..ATG
 349340,353143,3804
 ID=NCLIV_053580 - 1 A..ATG
 362537,363787,1251,OVER:EXACT
 ID=NCLIV_053600 - 1 A..ATG
 375100,378573,3474
 ID=NCLIV_053610 - 6 A..ATG
 382419,383041,623,END:Starts:381760-381766-381804-
 383601,383919,319,EXACT,AG-GT
 384530,385147,618,START: end -415 AG-GT
 385598,385904,307,EXACT,AG-GT
 386508,386760,253,EXACT,AG-GT
 387259,387574,316,START:Ends:388414-388346-
 ID=NCLIV_053640 - 4 A..ATG
 407006,407182,177,END:Starts:406618-406648-405473-
 407461,407718,258,EXACT,AG-GT
 408019,408145,127,EXACT,AG-GT
 408648,408760,113,START:Ends:408773-408779-408776-
 ID=NCLIV_053650 - 10 GACATGC
 411198,411473,276,END:Starts:410619-410554-410555-
 411819,412285,467,START: end 1099 AG-GT
 412746,412932,187,OVER: start -927 and end 452 AG-GT
 413096,413384,289,END: start -1277 AG-GT
 413721,413813,93,EXACT,AG-GT
 414328,414415,88,EXACT,AG-GT
 414696,414784,89,EXACT,AG-GT
 414975,415069,95,EXACT,AG-GT
 415455,415561,107,EXACT,AG-GT
 416015,416201,187,START:Ends:417412-417445-
 ID=NCLIV_053670 - 9 [CT]..ATG[ACT]
 430645,431808,1164,END:Starts:429905-429648-
 432099,434719,2621,START: end -659 GT
 434967,436073,1107,EXACT,GT
 436498,436543,46
 436882,436985,104
 437360,437477,118
 437882,438093,212
 438661,438801,141,END: start -3 AG (ref:AC-GT)<< Possible error
 439140,445032,5893,START:Ends:446385-445266-446546-
 ID=NCLIV_053690 - 7 TTCATGG
 452637,454121,1485
 454581,454676,96,EXACT,AG
 454996,455186,191,EXACT,AG-GT
 455466,455509,44,EXACT,AG-GT
 455828,456006,179,START: end 6 AG-GT (ref:AC-GT)<< Possible error

456346,456641,296,EXACT,AG-GT
457041,457188,148,START:Ends:461248-457733-458786-
ID=NCLIV_053720 - 12 [CT]..ATG[ACT]
468963,469535,573,END:Starts:468234-468281-468154-
469939,470202,264,EXACT,AG-GT
470561,471400,840,EXACT,AG-GT
471760,471906,147,EXACT,AG-GT
472219,472473,255,EXACT,AG-GT
472785,472897,113,START: end 576 AG-GT (ref:AC-GT)<< Possible error
473262,473473,212,END: start -477 AG-GT (ref:AC-GT)<< Possible error
473982,474170,189,START: end 670 GT
474612,474871,260
475327,475932,606,END: start 7 AG
476293,476471,179,EXACT,AG-GT
476760,477243,484,START:Ends:477249-478681-
ID=NCLIV_053730 - 11 A..ATG
480388,480781,394,END:Starts:479597-479637-478924-
481287,481444,158,EXACT,AG-GT
481930,482169,240,EXACT,AG-GT
482590,482766,177,EXACT,AG-GT
482890,482986,97,EXACT,AG-GT
483574,483646,73,EXACT,AG-GT
484364,484466,103,EXACT,AG-GT
484648,484831,184,EXACT,AG-GT
485292,485378,87,EXACT,AG-GT
485593,485705,113,EXACT,AG-GT
486062,486265,204,START:Ends:487319-486239-487332-
ID=NCLIV_053750 - 13 A..ATG
493723,493781,59
494250,494344,95
494517,494647,131
495537,495668,132
496154,496306,153
497615,497749,135
498091,498387,297
499032,500566,1535
501027,501168,142
501533,502062,530
502328,502712,385
503177,503490,314
504238,506278,2041
ID=NCLIV_053770 - 21 A..ATG
517023,517332,310,END:Starts:510371-511100-515822-
517668,517990,323,START: end -1 GT
518331,518466,136,END: start 7 AG (ref:AC-GT)<< Possible error
519075,519205,131,EXACT,AG-GT
519487,519722,236,END: start -6 AG-GC (ref:AC-GT)<< Possible error
520171,520300,130,EXACT,AG-GT
520867,520974,108,EXACT,ATG:AG-GT
521588,522010,423,EXACT,GT
522271,522357,87
522485,522550,66
523211,523486,276,EXACT,AG
524562,524808,247,EXACT,AG-GT
525351,525412,62,EXACT,GT
525747,525872,126,END: start 1 AG
527023,527104,82,EXACT,AG-GT
527496,527838,343,EXACT,AG-GT
528212,528398,187,EXACT,AG-GT
528673,528833,161,EXACT,AG-GT

529231,529483,253,EXACT,AG-GT
 530068,530280,213,START: end 67 AG-GT
 530567,530971,405,START:Ends:533332-533304-
 ID=NCLIV_053780 - 3 A..ATG
 537659,537888,230
 538270,538518,249
 538820,538865,46
 ID=NCLIV_053790 - 6 G..ATGG
 541857,541926,70
 542233,542386,154
 542776,542853,78
 543320,543559,240
 545976,546044,69
 546353,546572,220
 ID=NCLIV_053820 - 1 G..ATGG
 556929,559490,2562
 ID=NCLIV_053860 - 11 G..ATGG
 581240,581368,129,END:Starts:580464-580568-580561-
 582116,582370,255,EXACT,AG-GT
 582565,582645,81,EXACT,ATG:AG-GT
 582887,582981,95,EXACT,AG-GT
 583737,583829,93,EXACT,AG-GT
 584134,584383,250,EXACT,AG-GT
 584788,584854,67,EXACT,AG-GT
 585250,585386,137,EXACT,AG-GT
 585784,585915,132,EXACT,AG-GT
 586251,586513,263,EXACT,AG-GT
 587090,587174,85,START:Ends:587720-587690-588226-
 ID=NCLIV_053870 - 3 A..ATG
 590815,591009,195,END:Starts:589781-589806-
 591376,591503,128,EXACT,AG-GT
 592094,592169,76,START:Ends:592652-592608-
 ID=NCLIV_053890 - 1 A..ATG
 598451,599374,924
 ID=NCLIV_053900 - 5 GAGATGT
 601806,603726,1921,END:Starts:600876-600634-
 604413,604561,149,START: end 304 AG-GT
 605664,605789,126,END: start -449 AG
 606220,606348,129,START: end 39 GT
 606941,609490,2550
 ID=NCLIV_053930 - 8 A..ATG
 626728,626786,59,END:Starts:626489-626402-626446-
 626959,627142,184,EXACT,AG-GT
 627521,627630,110,EXACT,AG-GT
 628132,628216,85,EXACT,AG-GT
 628560,628721,162,EXACT,AG-GT
 629091,629181,91,EXACT,AG-GT
 629479,629560,82,EXACT,AG-GT
 630005,630431,427,START:Ends:631165-631144-631181-
 ID=NCLIV_053940 - 2 A..ATG
 632934,633104,171,END:Starts:632839-632813-632807-
 633508,633672,165,START:Ends:633886-633905-633957-
 ID=NCLIV_053960 - 1 A..ATG
 640992,642209,1218
 ID=NCLIV_053970 - 11 CAGATGG
 645819,645994,176,END:Starts:645350-645346-645231-
 646597,646662,66,EXACT,AG-GT
 647045,647109,65,EXACT,AG-GT
 647380,647495,116,EXACT,AG-GT
 647949,648068,120,EXACT,AG-GT

648323,648390,68,EXACT,AG-GT
648810,648977,168,START: end 22 GT
649387,649600,214
649734,649818,85
650096,650171,76
650752,650890,139
ID=NCLIV_053980 - 2 GAAATGT
654181,654698,518
655250,656372,1123
ID=NCLIV_054010 - 5 [CT]..ATG[ACT]
672468,672932,465
673381,674019,639
674609,675395,787
676869,677101,233
677936,678265,330
ID=NCLIV_054030 - 4 A..ATG
698446,702223,3778,END:Starts:696804-696732-695962-
702628,702845,218,EXACT,AG-GT
703325,705468,2144,EXACT,AG-GT
705912,705921,10
ID=NCLIV_054050 - 7 A..ATG
715157,715697,541,END:Starts:714012-708009-
716245,716519,275,EXACT,AG-GT
717062,717328,267,EXACT,GT
717589,717835,247
718372,718460,89
719130,719271,142
719998,720911,914
ID=NCLIV_054090 - 62 A..ATG
747933,748199,267
748713,748964,252
749262,749501,240,END: start -546 AG
749636,749974,339,END: start 72 GC
750399,750737,339,EXACT,AG
751073,751228,156,START: end 429 GT
751578,751657,80,END: start -505 GT
752315,752583,269
753155,753348,194
753637,753884,248
754484,754706,223,START: end 451 AG
754909,755157,249,END: start -425 AG
755519,755754,236,EXACT,GT
756446,756653,208
757174,757377,204
757632,758137,506
758679,758973,295,EXACT,AG
759352,759519,168,EXACT,AG-GT
759990,760683,694,EXACT,GT
761098,761336,239
761722,761920,199
762357,762544,188
763183,763464,282
763935,764146,212
764480,764615,136
765035,765286,252
765919,766403,485
767047,767296,250
767778,768017,240
768252,768426,175
768971,769160,190,EXACT,AG

769655,769908,254,START: end -4 GT
 770488,770604,117
 771011,771117,107
 771405,771552,148
 771871,772034,164
 772086,772290,205
 772661,772926,266
 773457,773717,261
 773905,774129,225
 774339,774419,81
 774908,775225,318
 775409,775691,283
 776190,776374,185
 777100,777246,147
 778242,778377,136
 778835,779066,232
 779405,779606,202
 779955,780168,214
 780569,780690,122
 781168,781350,183
 781700,781956,257
 782709,782973,265
 783290,783464,175
 783726,783889,164
 784546,784696,151
 785477,785631,155
 786717,787037,321
 787570,787899,330
 788207,788329,123
 788658,788786,129
 789289,789381,93
 ID=NCLIV_054130 - 1 [CT]..ATG[ACT]
 815166,815873,708
 ID=NCLIV_054140 - 3 CAGGAAC
 816486,816869,384,END:Starts:816016-816020-815983-
 817015,817172,158,EXACT,AG-GT
 817340,817469,130,EXACT,AG-GT
 ID=NCLIV_054150 - 4 CCAATGG
 820326,820466,141,END:EXACT
 821032,821154,123,EXACT,AG-GT
 821581,821730,150,EXACT,AG-GT
 822576,822584,9,START:Ends:822872-822876-822878-
 ID=NCLIV_054160 - 1 A..ATG
 824828,825730,903
 ID=NCLIV_054170 - 7 A..ATG
 832083,832543,461,END:EXACT
 833067,833176,110,EXACT,AG-GT
 833478,833619,142,EXACT,AG-GT
 834020,834094,75,EXACT,AG-GT
 834615,834723,109,EXACT,AG-GT
 834973,835104,132,EXACT,AG-GT
 835440,835793,354,START:Ends:836297-836258-836300-
 ID=NCLIV_054190 - 9 A..ATG
 841153,841218,66,END:Starts:840721-837798-838510-
 841564,841619,56,EXACT,AG-GT
 842023,842150,128,EXACT,AG-GT
 842439,842500,62,START: end -19 GT
 843135,843223,89
 843551,843664,114,END: start 5 AG
 843848,843960,113,EXACT,AG-GT

844078,844115,38,EXACT,AG-GT
844582,844590,9,START:Ends:845426-845489-
ID=NCLIV_054200 - 4 A..ATG
849522,851074,1553
851186,851479,294,EXACT,AG-GT
851608,852264,657,END: start 126 AG-GC (ref: AC-GT)<< Possible error
852788,852824,37,START:Ends:853747-853337-853515-
ID=NCLIV_054220 - 11 A..ATG
863005,863051,47,END:Starts:862778-862652-862610-
863512,863642,131,EXACT,AG-GT
863875,863947,73,EXACT,AG-GT
864170,864313,144,START: end 160 AG-GT
864606,864745,140,EXACT,AG-GT
864853,864935,83,EXACT,AG-GT
865408,865569,162,EXACT,AG-GT
865921,866028,108,EXACT,AG-GT
866523,866654,132,EXACT,AG-GT
866833,867377,545,EXACT,AG-GT
867844,868900,1057,START:Ends:868973-868547-
ID=NCLIV_054230 - 20 A..ATG
871167,872160,994,END:Starts:870200-870817-867844-
872305,872558,254,EXACT,AG-GT
873007,873174,168,EXACT,AG-GT
873507,873564,58,START: end 1 GT
874043,874679,637,END: start 9 AG
875246,875418,173,START: end -10 GT
875804,875863,60
876095,876406,312,EXACT,AG
877001,877093,93,EXACT,AG-GT
877575,877643,69,EXACT,AG-GT
877993,878057,65,EXACT,AG-GT
878659,878708,50,START: end -8 GT
879097,879148,52
879490,879586,97
879916,880040,125
880666,880761,96,END: start -8 AG
880979,881040,62,EXACT,AG-GT
881298,881354,57,EXACT,AG-GT
881617,882084,468,EXACT,AG-GT
882613,883000,388,START:Ends:884180-884087-
ID=NCLIV_054250 - 4 A..ATG
893752,895205,1454,END:Starts:893216-893168-893179-
895586,895861,276,EXACT,AG-GT
896351,896890,540,START: end 469 GT
897703,897733,31
ID=NCLIV_054270 - 1 GACATGC
910315,913206,2892
ID=NCLIV_054290 - 7 A..ATG
926852,929364,2513,END:Starts:927985-926363-
930217,934690,4474,START: end -3383 GT
935374,935982,609,EXACT,AG-GT
936156,937536,1381,START: end -36 GT
937930,938080,151
938724,938917,194
939465,939904,440
ID=NCLIV_054300 - 13 G..ATGG
942422,942538,117,END:Starts:941121-941714-941285-
942975,943051,77,START: end -15 GT
943312,943390,79,END: start 2 AG
943943,944035,93,EXACT,AG-GT

944483,944921,439,START: end -388 AG-GT
 945283,945439,157,START: end -83 GT
 946033,946141,109,END: start -303 AG
 946672,946716,45,EXACT,AG-GT
 946918,946991,74,EXACT,AG-GT
 947584,947737,154,EXACT,GT
 948128,948218,91,EXACT,AG
 948719,948924,206,START: end 239 AG-GT
 949842,949880,39,OVER:Ends:950141-950131-
 ID=NCLIV_054310 - 1 A..ATG
 953130,955544,2415
 ID=NCLIV_054340 - 5 A..ATG
 985134,985395,262,END:Starts:978739-
 985630,986081,452,EXACT,AG-GT
 986694,986860,167,EXACT,AG-GT
 987417,988113,697,EXACT,AG-GT
 988590,988940,351,START:Ends:988837-990343-
 ID=NCLIV_054350 - 1 [CT]..ATG[ACT]
 992138,993346,1209
 ID=NCLIV_054380 - 9 [CT]..ATG[ACT]
 1028961,1029184,224,END:Starts:1028553-1028555-1028549-
 1029552,1029750,199,EXACT,AG-GT
 1030485,1030591,107,END: start 31 AG-GT
 1030857,1030958,102,EXACT,AG-GT
 1031410,1031504,95,EXACT,AG
 1032010,1032217,208,EXACT,AG-GT
 1032643,1033038,396,START: end 3 GT
 1033313,1033477,165,END: start 72 Info:AG-GT-AG-GC-
 1034065,1034314,250,START:EXACT
 ID=NCLIV_054400 - 1 A..ATG
 1046461,1048641,2181
 ID=NCLIV_054420 - 3 A..ATG
 1056731,1057231,501,END:Starts:1056458-1056445-1056462-
 1057926,1058310,385,EXACT,AG-GT
 1058744,1059834,1091,START:Ends:1060268-1060266-1062006-
 ID=NCLIV_054425 - 4 A..ATG
 1062584,1062928,345,OVER:Starts:1062089-1062285-1062381-
 1063292,1063396,105,END: start 26 AG-GT (ref:AC-GT)<< Possible error
 1063861,1064339,479,EXACT,ATG:AG-GT
 1064694,1064799,106,START:Ends:1065034-1064954-
 ID=NCLIV_054430 - 7 G..ATGG
 1067907,1068202,296
 1068465,1068662,198
 1068894,1069539,646
 1069859,1071092,1234,END: start 344 AG
 1071737,1071926,190,START: end 3 GT
 1072274,1074385,2112
 1074863,1077620,2758
 ID=NCLIV_054480 - 6 A..ATG
 1112832,1112929,98,END:Starts:1110853-1111860-1110797-
 1113353,1113505,153,EXACT,AG-GT
 1113906,1113973,68,EXACT,AG-GT
 1114975,1115137,163,EXACT,AG-GT
 1115571,1115649,79,EXACT,AG-GT
 1116041,1116319,279,START:Ends:1117778-1117777-1117787-
 ID=NCLIV_054490 - 1 A..ATG
 1119967,1126242,6276
 ID=NCLIV_054500 - 2 A..ATG
 1129427,1129638,212,END:Starts:1128236-1128277-1128213-
 1130449,1130641,193,START:Ends:1130970-1130834-1130972-

ID=NCLIV_054570 - 2 A..ATG
1178970,1179248,279,END:Starts:1178917-1178911-1178890-
1179605,1179769,165,START:EXACT

ID=NCLIV_054590 - 2 G..ATGG
1185994,1186082,89,END:EXACT
1186705,1187017,313,START:Ends:1187628-1187219-

ID=NCLIV_054600 - 17 G..ATGG
1191351,1191552,202,END:Starts:1190046-1189765-1190009-
1192294,1192469,176,EXACT,AG-GT
1192939,1193100,162,EXACT,AG-GT
1193766,1193852,87,START: end 746 AG-GT (ref:AC-GT)<< Possible error
1194562,1194598,37,END: start -796 AG-GT (ref:AC-GT)<< Possible error
1195057,1195233,177,EXACT,AG-GT
1195937,1196031,95,EXACT,AG-GT
1196288,1196506,219,EXACT,AG-GT
1197083,1198891,1809,EXACT,AG-GT
1199336,1199405,70,EXACT,AG-GT
1199720,1199817,98,EXACT,AG-GT
1199990,1200112,123,START: end 183 GT
1200553,1200652,100
1201072,1201236,165
1201585,1201877,293
1202213,1202595,383
1203187,1203820,634

ID=NCLIV_054610 - 10 GAGATGA
1208110,1208538,429,END:Starts:1207815-1205118-
1208710,1208917,208,EXACT,AG-GT
1209671,1210122,452,EXACT,GT
1210645,1211171,527
1211752,1212784,1033,END: start 17 AG
1213910,1214065,156,EXACT,AG-GT
1214627,1214692,66,START: end 7 AG-GT
1215096,1215475,380,START: end 701 AG-GT (ref:AC-GT)<< Possible error
1216023,1216168,146,OVER: start -927 and end 8 AG-GT (ref:AC-GT)<< Possible error
1216799,1216944,146,START:Starts:1216799-

ID=NCLIV_054620 - 6 A..ATG
1220421,1221067,647,END:Starts:1219928-1220496-
1221302,1221606,305,START: end 502 AG-GT
1222110,1222392,283,END: start 140 AG-GT
1222780,1223386,607,EXACT,AG-GT
1223813,1225952,2140,START: end -1766 GT
1226613,1228078,1466

ID=NCLIV_054640 - 1 A..ATG
1250161,1251357,1197

ID=NCLIV_054650 - 3 [CT]..ATG[ACT]
1253892,1253924,33
1255086,1255171,86
1256169,1256853,685

ID=NCLIV_054670 - 4 CAGATGG
1265482,1265526,45,END:Starts:1265077-1265030-1265491-
1266148,1266448,301,EXACT,AG-GT
1267518,1267638,121,START: end 64 GT
1267944,1268709,766

ID=NCLIV_054700 - 6 A..ATG
1288706,1288804,99,END:EXACT
1289217,1289432,216,EXACT,AG-GT
1289956,1290151,196,EXACT,AG-GT
1290565,1290769,205,EXACT,AG-GT
1291230,1291419,190,EXACT,AG-GT
1291859,1291861,3,START:Ends:1293685-1293206-1292062-

ID=NCLIV_054750 - 5 A..ATG
1317140,1317181,42,OVER:Starts:1317317-1316450-1316426-
1317317,1317451,135,END: start -867 AG (ref:AC-GT)<< Possible error
1317547,1317698,152,EXACT,AG-GT
1317868,1318044,177,EXACT,AG-GT
1318204,1318618,415,START:Ends:1319533-1319508-1319663-

ID=NCLIV_054770 - 8 A..ATG
1327921,1328038,118,END:EXACT
1328612,1328661,50,EXACT,AG-GT
1329295,1329337,43,EXACT,AG-GT
1329833,1329894,62,START: end 763 GT
1330490,1330657,168,END: start -657 GT
1330913,1331242,330,EXACT,AG-GT
1331625,1336186,4562,START: end -2164 GT
1336784,1337654,871,START:Ends:1338703-1338705-

ID=NCLIV_054780 - 9 A..ATG
1340835,1340966,132
1341413,1341955,543,END: start 27 AG
1342172,1342268,97,START: end -1 GT
1342618,1342733,116
1343030,1343207,178
1343730,1343880,151,END: start -58 ATG:AG-GT
1344087,1344147,61,EXACT,AG-GT
1344671,1344857,187,EXACT,AG-GT
1345275,1345726,452,START:Ends:1346619-1346568-

ID=NCLIV_054820 - 5 A..ATG
1373527,1373691,165
1373874,1373931,58
1374563,1374696,134
1374994,1375083,90
1375708,1376301,594

ID=NCLIV_054830 - 1 A..ATG
1378524,1379534,1011

ID=NCLIV_054890 - 3 GAAATGA
1408826,1408904,79,END:Starts:1407923-1408576-
1409464,1409840,377,START: end -55 GT
1411292,1411306,15

ID=NCLIV_054910 - 7 GCAATGC
1416285,1416362,78,END:Starts:1415596-1415620-1415574-
1416741,1416932,192,EXACT,AG-GT
1417285,1417479,195,EXACT,AG-GT
1417784,1417852,69,EXACT,AG-GT
1418550,1418805,256,EXACT,AG-GT
1419085,1419178,94,EXACT,AG-GT
1419442,1419691,250,START:EXACT

ID=NCLIV_054920 - 4 A..ATG
1424159,1424827,669,END:Starts:1422781-1422857-1422855-
1425086,1425870,785,EXACT,AG-GT
1426371,1426463,93,EXACT,AG-GT
1426755,1431615,4861,START:Ends:1434032-1433704-1434025-

ID=NCLIV_054930 - 4 GAGATGA
1436179,1438470,2292,END:Starts:1434549-1434578-1434399-
1438962,1441380,2419,START: end 3243 GT
1441897,1442281,385,OVER: start -2935 and end 2342 GT
1442966,1446971,4006

ID=NCLIV_054940 - 7 A..ATG
1450557,1450604,48,END:Starts:1450196-1450029-
1451104,1451237,134,EXACT,AG-GT
1451577,1451669,93,EXACT,AG-GT
1452024,1452408,385,EXACT,AG-GT

1452642,1452845,204,EXACT,AG-GT
1453224,1453374,151,EXACT,AG-GT
1453612,1454936,1325,START:Ends:1455652-1455220-1455721-
ID=NCLIV_054960 - 5 A..ATG
1470882,1470938,57,END:Starts:1470367-1470406-1470369-
1471311,1471409,99,EXACT,AG-GT
1471836,1471918,83,EXACT,AG-GT
1472271,1472352,82,EXACT,AG-GT
1473053,1473115,63,START:Ends:1473614-1473578-1473586-
ID=NCLIV_054980 - 8 A..ATG
1496848,1497105,258
1497161,1497195,35
1497250,1497292,43
1497350,1497378,29
1497436,1497490,55
1497550,1497608,59
1497666,1497746,81
1497804,1497927,124
ID=NCLIV_055000 - 1 A..ATG
1503247,1503825,579
ID=NCLIV_055020 - 10 G..ATGG
1508124,1508384,261,END:Starts:1507616-1507784-1508088-
1508907,1509166,260,EXACT,AG-GT
1509659,1509806,148,START: end -1 GT
1510540,1512909,2370
1513325,1513889,565,END: start 16 AG
1514181,1514341,161,EXACT,AG-GT
1514802,1519662,4861,START: end -3453 GT
1520033,1520694,662
1520882,1521856,975
1522407,1523609,1203
ID=NCLIV_055050 - 6 A..ATG
1544584,1544682,99,END:Starts:1542633-1542643-
1545283,1551801,6519,START: end -6 GT
1552026,1552082,57
1552554,1552669,116
1552933,1555023,2091
1555312,1555423,112
ID=NCLIV_055060 - 10 GAAATGC
1561857,1561901,45,END:Starts:1561649-1561647-1561626-
1562009,1562128,120,START: end 2 GT
1562692,1562946,255,END: start 7 AG
1563595,1563781,187,EXACT,AG-GT
1564087,1564307,221,EXACT,AG-GT
1565001,1565131,131,EXACT,GT
1565573,1566809,1237,START: end -352 GT
1567524,1567814,291,EXACT,GT
1568163,1568371,209
1568896,1568980,85
ID=NCLIV_055100 - 7 G..ATGG
1595316,1595693,378
1596138,1596563,426
1596986,1598065,1080
1598859,1599391,533
1599897,1601016,1120
1601980,1602038,59
1602270,1602489,220
ID=NCLIV_055110 - 1 A..ATG
1605639,1607774,2136
ID=NCLIV_055170 - 9 A..ATG

1674162,1674323,162,END:Starts:1672669-1672533-1671837-
 1674803,1674906,104,EXACT,AG-GT
 1675031,1675118,88,EXACT,AG-GT
 1675254,1675379,126,EXACT,AG-GT
 1675898,1676043,146,EXACT,AG-GT
 1676256,1676361,106,EXACT,AG-GT
 1676517,1676847,331,EXACT,AG-GT
 1677191,1677278,88,EXACT,AG-GT
 1678127,1678256,130,START:Ends:1678738-1678730-1678773-
 ID=NCLIV_055210 - 4 A..ATG
 1718149,1718411,263
 1718765,1718907,143
 1719268,1719380,113
 1719911,1720219,309
 ID=NCLIV_055220 - 4 A..ATG
 1723569,1723748,180
 1724137,1724718,582
 1725111,1725418,308
 1726069,1726231,163
 ID=NCLIV_055230 - 14 A..ATG
 1730326,1730405,80,END:Starts:1728746-1728759-1728758-
 1730803,1730900,98,EXACT,AG-GT
 1731312,1731402,91,EXACT,AG-GT
 1731691,1731757,67,START: end -18 AG-GT
 1732197,1732285,89,END: start -4 AG (ref:AC-GT)<< Possible error
 1732621,1732726,106,EXACT,AG-GT
 1733104,1733175,72,EXACT,AG-GT
 1733451,1733617,167,EXACT,AG-GT
 1734086,1734206,121,EXACT,AG-GT
 1734522,1734605,84,EXACT,AG-GT
 1734968,1735172,205,EXACT,AG-GT
 1735473,1735548,76,EXACT,AG-GT
 1736019,1736145,127,EXACT,AG-GT
 1736591,1736635,45,OVER:Ends:1738767-1738663-1738765-
 ID=NCLIV_055260 - 19 G..ATGG
 1760364,1760435,72,END:Starts:1760267-1760303-
 1760813,1760926,114,EXACT,GT
 1761238,1761350,113,EXACT,AG
 1761605,1761733,129,EXACT,AG-GT
 1762043,1762181,139,EXACT,AG-GT
 1762463,1762638,176,EXACT,AG-GT
 1763286,1763450,165,EXACT,TAG|TGA|TAA:AG-GT
 1763698,1763791,94,EXACT,AG-GT
 1764324,1764497,174,START: end 21 GT
 1764869,1764935,67,END: start -2 AG (ref:AC-GT)<< Possible error
 1765162,1765328,167,EXACT,AG-GT
 1765670,1765858,189,EXACT,AG-GT
 1766278,1766565,288,EXACT,AG-GT
 1766867,1767110,244,EXACT,AG-GT
 1767658,1767844,187,EXACT,AG-GT
 1768042,1768216,175,EXACT,AG-GT
 1768610,1768756,147,START: end -71 AG-GT (ref:AC-GT)<< Possible error
 1769284,1769393,110,END: start -151 AG-GT (ref:AC-GT)<< Possible error
 1770114,1770411,298
 ID=NCLIV_055270 - 9 GCCATGT
 1778419,1778430,12
 1778760,1778843,84
 1779232,1779443,212
 1779910,1780036,127,OVER: start -658 and end 385 NONE
 1780371,1780457,87

1781304,1781447,144
1781769,1781962,194
1782081,1782171,91
1782815,1782955,141
ID=NCLIV_055300 - 15 A..ATG
1812763,1812799,37
1813246,1813388,143,END: start -121 AG (ref:AC-GT)<< Possible error
1813670,1813765,96,EXACT,AG-GT
1814104,1814214,111,EXACT,AG-GT
1814768,1815402,635,EXACT,AG-GT
1815919,1815988,70,EXACT,AG-GT
1816632,1817716,1085,EXACT,AG-GT
1818170,1818388,219,EXACT,AG-GT
1818971,1819400,430,EXACT,AG-GT
1819752,1820117,366,EXACT,AG-GT
1820570,1820917,348,EXACT,AG-GT
1821332,1821560,229,EXACT,AG-GT
1821919,1821934,16
1822688,1822944,257,EXACT,AG-GT
1823605,1824017,413,START:Ends:1824878-1824907-
ID=NCLIV_055320 - 6 G..ATGG
1830232,1830309,78
1830365,1830543,179
1830596,1830641,46
1830707,1830766,60
1830822,1830933,112
1830994,1831094,101
ID=NCLIV_055330 - 3 A..ATG
1831729,1832453,725,OVER:Starts:1831518-1831498-
1832826,1832885,60,START: end 90 GT
1833419,1833425,7
ID=NCLIV_055340 - 1 TTCATGG
1836216,1836875,660,OVER:Starts:1835368-1835332-
ID=NCLIV_055360 - 35 A..ATG
1847967,1848028,62,END:EXACT
1848557,1848664,108,EXACT,AG-GT
1849108,1849191,84,EXACT,AG-GT
1849910,1850146,237,EXACT,AG-GT
1850594,1850671,78,EXACT,AG-GT
1851239,1851271,33,EXACT,AG-GT
1851872,1851904,33,EXACT,AG-GT
1852354,1852755,402,EXACT,AG-GT
1853032,1853119,88,EXACT,AG-GT
1853602,1853634,33,EXACT,AG-GT
1853808,1853843,36,EXACT,AG-GT
1854665,1855152,488,START: end -1 GT
1855887,1856297,411,END: start 15 AG (ref:AC-GT)<< Possible error
1856535,1856961,427,EXACT,AG-GT
1857447,1857562,116,EXACT,AG-GT
1857924,1858001,78,EXACT,GT
1858226,1858255,30
1858384,1858464,81,END: start 5 AG (ref:AC-GT)<< Possible error
1858975,1859190,216,EXACT,AG-GT
1859725,1859959,235,EXACT,AG-GT
1860534,1860601,68,START: end 2 AG-GT
1860754,1860771,18
1861184,1861582,399,END: start 42 AG
1862158,1862181,24,EXACT,AG-GT
1862676,1862759,84,EXACT,AG-GT
1863448,1863663,216,EXACT,AG-GT

1864010,1864189,180,EXACT,AG-GT
1864703,1864861,159,EXACT,AG-GT
1865273,1865353,81,EXACT,AG-GT
1865460,1865763,304,START: end 273 GT
1866117,1866124,8
1866729,1866752,24
1866870,1866881,12
1867153,1867215,63,END: start -2 AG (ref:AC-GT)<< Possible error
1867565,1867571,7,START:Ends:1868903-1867975-1868104-
ID=NCLIV_055370 - 11 A..ATG
1872857,1873124,268,END:Starts:1872118-1872159-1871973-
1873939,1874012,74,START: end 431 AG-GT
1874365,1874443,79,END: start -426 AG-GT
1875365,1875480,116,EXACT,AG-GT
1875901,1875953,53,EXACT,AG-GT
1876352,1876463,112,EXACT,AG-GT
1876912,1876991,80,EXACT,AG-GT
1877324,1877447,124,EXACT,AG-GT
1878095,1878220,126,EXACT,AG-GT
1878659,1878790,132,EXACT,AG-GT
1879127,1879138,12,START:EXACT
ID=NCLIV_055390 - 8 G..ATGG
1896026,1896227,202
1896750,1896997,248
1897428,1897516,89
1897756,1897885,130
1898364,1898504,141
1898671,1898808,138
1899298,1899378,81
1899887,1901413,1527
ID=NCLIV_055400 - 2 CACATGG
1904816,1905700,885
1907108,1911295,4188
ID=NCLIV_055410 - 10 GCCATGC
1918657,1918694,38,OVER:Starts:1918124-1918331-1918241-
1918944,1922762,3819,END: start -703 AG (ref:AC-GT)<< Possible error
1923669,1924549,881,START: end 121 GT
1924947,1925323,377
1925692,1927491,1800,END: start 7 AG
1927852,1928598,747,START: end 26 AG-GT (ref:AC-GT)<< Possible error
1928755,1929515,761
1929822,1931357,1536,END: start 6 AG
1931903,1932428,526,EXACT,AG-GT
1932812,1936396,3585,START:Ends:1936087-1932831-1935421-
ID=NCLIV_055430 - 7 A..ATG
1949408,1949471,64,END:Starts:1948707-1948573-1948697-
1950100,1950216,117,EXACT,AG-GT
1950558,1950692,135,EXACT,AG-GT
1951021,1951149,129,EXACT,AG-GT
1951578,1951710,133,EXACT,AG-GT
1952427,1952511,85,EXACT,AG-GT
1953003,1957694,4692,START:Ends:1953073-1954326-1954626-
ID=NCLIV_055440 - 1 A..ATG
1962129,1963469,1341
ID=NCLIV_055450 - 2 A..ATG
1966296,1966505,210,END:Starts:1965760-1965736-1965741-
1967022,1967381,360,START:Ends:1967815-1967808-1967911-
ID=NCLIV_055460 - 6 A..ATG
1970307,1970364,58,END:Starts:1969313-1969316-1969261-
1970673,1971471,799,EXACT,AG-GT

1971844,1971923,80,EXACT,AG-GT
 1972228,1972339,112,EXACT,AG-GT
 1972880,1972971,92,EXACT,AG-GT
 1973918,1974027,110,START:Ends:1974947-1974472-
 ID=NCLIV_055480 - 3 A..ATG
 1985039,1985721,683
 1985860,1986654,795
 1986787,1987060,274
 ID=NCLIV_055490 - 4 A..ATG
 1989044,1989637,594,END:Starts:1988764-1988780-1988760-
 1989873,1990516,644,EXACT,AG-GT
 1990840,1991499,660,EXACT,AG-GT
 1992228,1992330,103,START:Ends:1992864-1992837-1992840-
 ID=NCLIV_055510 - 3 GTCATGA
 2003532,2003578,47
 2004090,2004965,876
 2005722,2009580,3859
 ID=NCLIV_055530 - 1 [CT]..ATG[ACT]
 2022384,2025101,2718
 ID=NCLIV_055540 - 5 GGAATGT
 2028844,2029791,948,END:Starts:2027347-2026300-
 2030061,2031402,1342,EXACT,AG-GT
 2031581,2031957,377,EXACT,AG-GT
 2032268,2032527,260,END: start 6 AG-GT (ref:AC-GT)<< Possible error
 2033113,2033455,343,START:Ends:2034685-2033739-2034690-
 ID=NCLIV_055560 - 9 GCAATGC
 2046056,2046167,112,OVER:Starts:2037651-2042543-
 2046809,2046946,138,EXACT,AG-GT
 2047438,2047537,100,EXACT,AG-GT
 2047863,2048047,185,EXACT,AG-GT
 2048653,2048744,92,EXACT,AG-GT
 2049408,2049477,70,EXACT,AG-GT
 2049792,2049982,191,EXACT,AG-GT
 2050224,2050358,135,EXACT,AG-GT
 2050802,2050891,90,START:Ends:2050887-2050885-
 ID=NCLIV_055580 - 7 A..ATG
 2054904,2055019,116,END:Starts:2054550-2054497-2054469-
 2055604,2056038,435,START: end 168 AG-GT (ref:AC-GT)<< Possible error
 2056150,2056206,57,END: start -546 AG-GT (ref:AC-GT)<< Possible error
 2056906,2057082,177,EXACT,TAGITGAI TAA:AG-GT
 2057308,2057401,94,START: end 669 AG-GT (ref:AC-GT)<< Possible error
 2057672,2058070,399,END: start -364 AG-GT (ref:AC-GT)<< Possible error
 2058594,2058947,354,START:Ends:2059698-2059672-2059693-
 ID=NCLIV_055600 - 10 A..ATG
 2066004,2066783,780
 2067083,2067219,137
 2067692,2067758,67
 2068051,2068170,120
 2068758,2068969,212
 2069201,2069293,93
 2070093,2070180,88
 2070345,2070397,53
 2070676,2070728,53
 2071342,2071571,230
 ID=NCLIV_055620 - 3 A..ATG
 2077627,2077858,232,END:EXACT
 2078091,2078431,341,START: end 4 GT
 2078826,2078960,135
 ID=NCLIV_055640 - 13 A..ATG
 2096340,2096485,146,END:Starts:2093846-2096167-2093880-

2097102,2097243,142,EXACT,AG-GT
 2097402,2097490,89,EXACT,AG-GT
 2098187,2098302,116,EXACT,AG-GT
 2098756,2098988,233,EXACT,AG-GT
 2099196,2099284,89,EXACT,AG-GT
 2099515,2099611,97,EXACT,ATG:AG-GT
 2100165,2100257,93,EXACT,AG-GT
 2100656,2100805,150,EXACT,AG-GT
 2101416,2101519,104,EXACT,AG-GT
 2102108,2102153,46,EXACT,AG-GT
 2102585,2102866,282,EXACT,AG-GT
 2103218,2103244,27,START:Ends:2103476-2103441-2103587-
 ID=NCLIV_055650 - 12 [CT]..ATG[ACT]
 2105692,2105814,123,END:Starts:2104937-2105588-2104922-
 2106432,2106612,181,EXACT,AG-GT
 2107248,2107314,67,EXACT,AG-GT
 2107687,2107921,235,EXACT,AG-GT
 2108129,2108275,147,EXACT,AG-GT
 2108798,2109099,302,EXACT,AG-GT
 2109352,2109584,233,START: end -5 GT
 2110062,2110149,88,END: start 1 AG (ref:AC-GT)<< Possible error
 2110381,2110507,127,EXACT,AG-GT
 2110982,2111078,97,EXACT,AG-GT
 2111614,2111755,142,EXACT,ATG:AG-GT
 2112426,2112561,136,START:EXACT
 ID=NCLIV_055700 - 17 A..ATG
 2157672,2157697,26,END:Starts:2157156-2157194-2157196-
 2157860,2157981,122,EXACT,AG-GT
 2158469,2159250,782,EXACT,AG-GT
 2159687,2159811,125,EXACT,AG-GT
 2159951,2160096,146,START: end 3 AG-GT (ref:AC-GT)<< Possible error
 2160616,2160762,147,EXACT,AG-GT
 2160876,2162842,1967,EXACT,AG-GT
 2163149,2163265,117,START: end -14 GT
 2163698,2163782,85,END: start 4 AG
 2164169,2164322,154,EXACT,AG-GT
 2164984,2165418,435,START: end 3 GT
 2165829,2165958,130
 2166300,2166489,190,END: start 11 AG-GC
 2167328,2167467,140,EXACT,AG-GT
 2167999,2168409,411,EXACT,AG-GT
 2168874,2169447,574,EXACT,AG-GT
 2169888,2169928,41,START:Ends:2171565-2170914-
 ID=NCLIV_055710 - 4 A..ATG
 2173927,2174220,294,END:Starts:2173764-2173709-2173708-
 2174592,2174665,74,EXACT,AG-GT
 2175190,2175231,42,EXACT,AG-GT
 2176097,2176106,10,START:Ends:2176233-2176239-2176323-
 ID=NCLIV_055730 - 10 G..ATGG
 2189146,2189292,147,END:Starts:2188491-2188499-2188392-
 2189711,2189884,174,START: end -5 GT
 2190447,2190680,234,END: start -3 AG
 2191116,2191355,240,EXACT,AG-GT
 2191654,2191891,238,EXACT,AG-GT
 2192322,2192464,143,START: end -1 GT
 2192782,2193017,236
 2193617,2193810,194
 2194521,2194993,473
 2195424,2195639,216
 ID=NCLIV_055750 - 8 TCAATGG

2205921,2206133,213,END:EXACT
 2206387,2206445,59,START: end 5 GT
 2207307,2207445,139,END: start 15 AG
 2207618,2207883,266,EXACT,GT
 2208095,2208238,144
 2208937,2209396,460,EXACT,AG
 2209863,2210733,871,START: end -538 GT
 2211159,2211262,104,START:Ends:2212390-2211419-
 ID=NCLIV_055770 - 2 A..ATG
 2223232,2223303,72,END:Starts:2223171-2223077-2223174-
 2224096,2224422,327,START:Ends:2224645-2224624-2224643-
 ID=NCLIV_055780 - 2 A..ATG
 2226942,2228879,1938
 2229205,2230641,1437,WITHIN:Ends:2230656-2230560-
 ID=NCLIV_055800 - 8 [CT]..ATG[ACT]
 2249842,2249947,106,END:Starts:2248574-2248641-2248666-
 2250262,2250323,62,EXACT,AG-GT
 2250587,2250777,191,EXACT,AG-GT
 2251210,2251345,136,EXACT,AG-GT
 2251753,2251908,156,EXACT,AG-GT
 2252424,2252938,515,START: end -5 GT
 2253281,2253397,117,END: start 33 Info:AG-GT-AG-GC-
 2253819,2254332,514,START:Ends:2255100-2254989-
 ID=NCLIV_055820 - 29 A..ATG
 2265222,2265367,146,END:Starts:2265045-2263849-2263791-
 2265671,2265996,326,EXACT,AG-GT
 2266160,2266427,268,EXACT,AG-GT
 2267133,2267463,331,EXACT,AG-GT
 2267797,2267934,138,EXACT,AG-GT
 2268199,2268321,123,EXACT,AG-GT
 2268416,2268514,99,EXACT,AG-GT
 2268722,2268817,96,EXACT,AG-GT
 2269156,2269302,147,EXACT,AG-GT
 2269688,2269857,170,EXACT,AG-GT
 2269975,2270095,121,EXACT,AG-GT
 2270567,2270735,169,EXACT,AG-GT
 2271002,2271159,158,EXACT,AG-GT
 2271361,2271473,113,START: end -14 GT
 2271621,2271828,208,END: start -3 AG
 2272560,2272753,194,START: end 1 GT
 2273061,2273142,82,START: end -55 GT
 2273625,2273726,102
 2274157,2274270,114
 2274443,2274598,156
 2275081,2275290,210,END: start 10 AG
 2275909,2276098,190,EXACT,AG-GT
 2276428,2276587,160,EXACT,ATG:AG-GT
 2276883,2277235,353,EXACT,AG-GT
 2277763,2277888,126,START: end -11 GT
 2278487,2278679,193,END: start 17 AG
 2279089,2279241,153,EXACT,ATG:AG-GT
 2279885,2280047,163,EXACT,AG-GT
 2280197,2280313,117,START:Ends:2281352-2281399-
 ID=NCLIV_055840 - 4 A..ATG
 2303984,2304780,797,END:Starts:2302238-2303435-2302435-
 2305403,2305493,91,START: end 96 ATG:AG-GT (ref:AC-GT)<< Possible error
 2306253,2307276,1024,EXACT,AG-GT
 2307699,2308180,482,START:Ends:2308737-2308682-2309369-
 ID=NCLIV_055850 - 1 A..ATG
 2310269,2311489,1221

ID=NCLIV_055870 - 6 A..ATG
2326837,2326951,115,END:Starts:2324709-2324711-2324713-
2327438,2327589,152,EXACT,AG-GT
2327867,2328212,346,EXACT,AG-GT
2328532,2333876,5345,EXACT,AG-GT
2334374,2334802,429,EXACT,AG-GT
2335130,2337877,2748,START:Ends:2338438-2339596-

ID=NCLIV_055890 - 13 A..ATG
2356264,2356326,63
2356920,2357400,481,EXACT,AG-GT
2358614,2358804,191,EXACT,TAG|TGA|TAA:AG-GT
2359393,2359614,222,EXACT,AG-GT
2360248,2360600,353,EXACT,AG-GT
2361163,2361523,361,EXACT,AG-GT
2362022,2362132,111,START: end -9 AG-GT
2362815,2362928,114,END: start 16 AG
2363547,2364167,621,START: end -212 GT
2364861,2365137,277,EXACT,AG-GT
2365672,2365799,128,START: end -20 GT
2366707,2367062,356,WITHIN: start 3 and end -39 AG
2367314,2368550,1237,START:Ends:2370126-2369998-

ID=NCLIV_055900 - 2 G..ATGG
2372918,2374102,1185,END:Starts:2373061-2371783-
2374826,2374867,42,START:Ends:2376205-2376204-

ID=NCLIV_055960 - 3 CTGATGG
2410944,2411157,214,END:EXACT
2411932,2412185,254,EXACT,AG-GT
2412993,2413355,363,START:Ends:2414212-2416772-

ID=NCLIV_055980 - 4 A..ATG
2419182,2419354,173,END:Starts:2418589-2418592-2418536-
2419775,2421361,1587,EXACT,TAG|TGA|TAA:AG-GT
2422538,2422959,422,EXACT,AG-GT
2423401,2424416,1016,START:Ends:2425699-2425618-

ID=NCLIV_056000 - 32 A..ATG
2433684,2433990,307
2435045,2435204,160
2435568,2435893,326
2436405,2436583,179
2437253,2437408,156
2438269,2438363,95
2438834,2438972,139
2439284,2439546,263
2440842,2441296,455,END: start -464 AG
2441416,2441487,72,EXACT,AG-GT
2442053,2442097,45,START: end 134 GT
2443052,2443096,45
2443522,2443945,424
2444521,2444723,203
2445088,2445293,206
2445907,2446041,135
2446474,2446566,93
2446831,2446934,104
2447298,2447418,121
2447752,2447850,99
2448253,2448321,69
2450097,2450266,170
2450490,2450749,260
2451147,2451712,566
2454414,2454490,77
2454945,2455104,160

2455385,2455558,174
2456354,2456482,129
2456775,2456815,41
2457137,2457308,172
2457870,2458011,142
2458139,2458329,191
ID=NCLIV_056040 - 13 TCCATGG
2478911,2478997,87,OVER:Starts:2478579-2478335-
2479160,2479454,295,END: start -56 AG
2479886,2479986,101,EXACT,AG-GT
2480288,2480866,579,EXACT,AG-GT
2481324,2481496,173,EXACT,GT
2482132,2482209,78,EXACT,AG
2482750,2483198,449,EXACT,AG-GT
2483467,2483691,225,EXACT,AG-GT
2484149,2484692,544,START: end -2 GT
2484944,2485870,927,END: start -1 AG
2486173,2486447,275,EXACT,AG-GT
2486668,2486877,210,EXACT,GT
2487274,2488016,743
ID=NCLIV_056045 - 5 A..ATG
2489738,2490925,1188
2490983,2491601,619
2491953,2492685,733
2493136,2493256,121
2493680,2494213,534
ID=NCLIV_056050 - 12 GCCATGC
2496929,2497094,166,END:Starts:2496178-2496090-
2497524,2497629,106,START: end 319 GT
2498105,2498167,63
2498886,2498945,60,EXACT,AG
2499958,2500291,334,START: end 4 GT
2500618,2500705,88
2501321,2501397,77
2501635,2501685,51
2502197,2502258,62
2502464,2502617,154
2502992,2503129,138,EXACT,AG
2503448,2503498,51,START:Ends:2504695-2504292-
ID=NCLIV_056080 - 8 GCCATGA
2528928,2531259,2332,END:Starts:2527027-2527077-2527078-
2531572,2531651,80,EXACT,AG-GT
2531965,2532093,129,EXACT,AG-GT
2532353,2532596,244,EXACT,AG-GT
2532884,2532972,89,EXACT,AG-GT
2533110,2533624,515,EXACT,AG-GT
2534027,2534312,286,EXACT,AG-GT
2535103,2535354,252,START:Ends:2537772-2536251-
ID=NCLIV_056120 - 6 A..ATG
2562613,2562711,99,END:Starts:2562479-2562002-2561025-
2562879,2562961,83,EXACT,AG-GT
2563534,2563595,62,EXACT,AG-GT
2564112,2564161,50,EXACT,AG-GT
2564426,2564752,327,EXACT,AG-GT
2565394,2566314,921,START:EXACT
ID=NCLIV_056130 - 13 [CT]..ATG[ACT]
2569837,2569941,105,END:Starts:2568907-2568911-2568952-
2570323,2570417,95,EXACT,ATG:AG-GT
2570904,2571219,316,EXACT,AG-GT
2571762,2572013,252,EXACT,AG-GT

2572542,2572596,55,EXACT,AG-GT
2573103,2573223,121,EXACT,AG-GT
2573878,2573971,94,EXACT,AG-GT
2574234,2574317,84,EXACT,GT
2574854,2574933,80,EXACT,AG
2575030,2575133,104,START: end -7 GT
2575688,2576136,449,WITHIN: start 3 and end -7 NONE
2576385,2576494,110,END: start 2 AG
2577071,2577482,412,START:Ends:2578891-2578244-
ID=NCLIV_056140 - 20 A..ATG
2580659,2580813,155,END:Starts:2579989-2579435-2579627-
2581127,2581257,131,EXACT,AG-GT
2581430,2581634,205,EXACT,AG-GT
2582125,2582209,85,EXACT,AG-GT
2582585,2582916,332,EXACT,AG-GT
2583244,2583528,285,EXACT,AG-GT
2583932,2584037,106,EXACT,AG-GT
2584218,2584763,546,EXACT,AG-GT
2585302,2585791,490,EXACT,AG-GT
2586404,2587451,1048,EXACT,AG-GT
2587644,2587851,208,EXACT,AG-GT
2588048,2588205,158,EXACT,AG-GT
2588608,2589391,784,EXACT,AG-GT
2589981,2591360,1380,START: end 2 GT
2591835,2592164,330,WITHIN: start 2 and end -160 AG (ref:AC-GT)<< Possible error
2592298,2592666,369,END: start 89 AG-GC (ref:AC-GT)<< Possible error
2593182,2594445,1264,START: end -3 GT
2594963,2595109,147,END: start 16 AG (ref:AC-GT)<< Possible error
2595734,2595866,133,EXACT,AG-GT
2597272,2597287,16,START:Ends:2598035-2598011-2597998-
ID=NCLIV_056160 - 14 [CT]..ATG[ACT]
2610382,2610450,69,END:Starts:2610156-2610162-
2610827,2610948,122,EXACT,AG-GT
2611431,2611557,127,EXACT,AG-GT
2612167,2612233,67,EXACT,AG-GT
2613013,2613428,416,EXACT,AG-GT
2613551,2614479,929,EXACT,ATG:AG-GT
2615133,2615460,328,EXACT,GT
2615931,2616546,616,EXACT,AG-GT
2616981,2618633,1653,START: end -18 GT
2619230,2619869,640,EXACT,AG
2620432,2620495,64,EXACT,AG-GT
2621971,2622354,384,EXACT,AG-GT
2622894,2623288,395,EXACT,AG-GT
2623819,2623915,97,START:Ends:2624920-2624926-
ID=NCLIV_056180 - 4 GAAATGC
2632038,2632339,302,END:Starts:2629560-2631553-2631554-
2632887,2633109,223,EXACT,AG-GT
2633229,2633543,315,EXACT,AG-GT
2634246,2634521,276,START:Ends:2634467-2634473-2634537-
ID=NCLIV_056200 - 1 A..ATG
2643283,2643852,570
ID=NCLIV_056220 - 7 [CT]..ATG[ACT]
2661391,2661412,22,END:Starts:2661079-2661060-2660918-
2662133,2662380,248,EXACT,AG-GT
2662743,2663962,1220,EXACT,AG-GT
2664297,2664451,155,EXACT,AG-GT
2664678,2664733,56,EXACT,AG-GT
2665336,2665413,78,START: end 510 GT
2666495,2666569,75

ID=NCLIV_056260 - 3 GAAATGT
 2695355,2697155,1801
 2698233,2698327,95,EXACT,AG
 2698998,2701706,2709,START:Ends:2700259-2700029-
 ID=NCLIV_056280 - 3 CAGAACA
 2720279,2720502,224
 2720830,2721517,688
 2722059,2722223,165
 ID=NCLIV_056290 - 2 A..ATG
 2724113,2724148,36,END:Starts:2723620-2723629-2723594-
 2724830,2724970,141,START:Ends:2725184-2725182-2725166-
 ID=NCLIV_056320 - 1 A..ATG
 2735677,2737920,2244
 ID=NCLIV_056340 - 9 A..ATG
 2755444,2755484,41,OVER:Starts:2754967-2754966-2754881-
 2755693,2755888,196,END: start -727 AG (ref:AC-GT)<< Possible error
 2756148,2756432,285,EXACT,AG-GT
 2756965,2757018,54,EXACT,AG-GT
 2757448,2757705,258,EXACT,AG-GT
 2757949,2758146,198,EXACT,AG-GT
 2758442,2758725,284,EXACT,AG-GT
 2759342,2759506,165,EXACT,AG-GT
 2760070,2760298,229,START:Ends:2760456-2760419-2760457-
 ID=NCLIV_056350 - 5 G..ATGG
 2762089,2762155,67
 2762407,2763134,728
 2763289,2763507,219
 2763760,2763930,171
 2764583,2764858,276
 ID=NCLIV_056360 - 5 A..ATG
 2766307,2766376,70,END:Starts:2766100-2766110-2766084-
 2766905,2767254,350,EXACT,AG-GT
 2767854,2768344,491,EXACT,AG-GT
 2768619,2768853,235,EXACT,AG-GT
 2769080,2769397,318,START:EXACT
 ID=NCLIV_056390 - 1 A..ATG
 2795960,2797597,1638
 ID=NCLIV_056400 - 5 A..ATG
 2800125,2800366,242,END:Starts:2799959-2799883-2799921-
 2800864,2801010,147,START: end 818 AG-GT
 2801598,2801828,231,END: start -734 AG-GT
 2802292,2802561,270,EXACT,AG-GT
 2802986,2803202,217,START:Ends:2803536-2804218-
 ID=NCLIV_056430 - 1 G..ATGG
 2819099,2820415,1317
 ID=NCLIV_056460 - 12 A..ATG
 2840940,2841074,135
 2841808,2842194,387
 2842779,2842930,152
 2843771,2843949,179
 2844457,2844619,163
 2845259,2845472,214
 2846015,2846349,335
 2846869,2846944,76
 2847705,2847875,171
 2848606,2848721,116
 2849148,2850018,871
 2850747,2850890,144
 ID=NCLIV_056480 - 7 [CT]..ATG[ACT]
 2862036,2862065,30,END:Starts:2861743-2861649-2861725-

2862509,2862673,165,START: end 86 GT
2863155,2863287,133
2864019,2864197,179
2864649,2864888,240
2865408,2865711,304
2866558,2867129,572
ID=NCLIV_056490 - 6 A..ATG
2868901,2868955,55,END:Starts:2867492-2868686-2868656-
2869185,2869253,69,START: end -3 GT
2869424,2869520,97,END: start -2 AG (ref:AC-GT)<< Possible error
2869795,2869987,193,EXACT,AG-GT
2870490,2871428,939,EXACT,AG-GT
2871736,2871897,162,START:EXACT
ID=NCLIV_056510 - 5 A..ATG
2881741,2881991,251,END:Starts:2880216-2880582-2880537-
2882340,2882571,232,EXACT,AG-GT
2883059,2884345,1287,EXACT,AG-GT
2884683,2885593,911,EXACT,AG-GT
2886671,2886764,94,START:Ends:2888427-2888414-2888422-
ID=NCLIV_056550 - 8 G..ATGG
2925928,2926065,138,END:EXACT
2926351,2926404,54,EXACT,AG-GT
2926719,2926784,66,EXACT,AG-GT
2927104,2927196,93,EXACT,AG-GT
2927447,2927537,91,EXACT,AG-GT
2927826,2927941,116,EXACT,AG-GT
2928808,2928979,172,EXACT,AG-GT
2929784,2930112,329,START:Ends:2930756-2930513-2930773-
ID=NCLIV_056590 - 7 G..ATGG
2971911,2972073,163,OVER:Starts:2971225-2972244-2971142-
2972508,2972617,110,END: start -1283 AG (ref:AC-GT)<< Possible error
2973052,2973452,401,EXACT,AG-GT
2974037,2974122,86,EXACT,AG-GT
2974658,2974744,87,EXACT,AG-GT
2975172,2975359,188,EXACT,AG-GT
2975950,2976348,399,START:Ends:2977194-2977178-2977240-
ID=NCLIV_056620 - 8 A..ATG
2998428,2998589,162,END:Starts:2997185-2997154-2997310-
2999147,2999220,74,EXACT,AG-GT
2999674,2999878,205,EXACT,AG-GT
3000326,3000437,112,EXACT,AG-GT
3001024,3001099,76,EXACT,AG-GT
3001725,3002013,289,EXACT,AG-GT
3002555,3002680,126,EXACT,AG-GT
3003054,3004898,1845,START:Ends:3005900-3004760-3005899-
ID=NCLIV_056630 - 12 A..ATG
3007786,3008698,913,END:Starts:3007615-3007639-3007640-
3009218,3009325,108,EXACT,AG-GT
3009943,3010097,155,EXACT,AG-GT
3010394,3010465,72,EXACT,AG-GT
3010919,3012574,1656,EXACT,AG-GT
3012854,3013006,153,START: end -8 GT
3013314,3013365,52,END: start 9 AG
3014035,3014159,125,EXACT,AG-GT
3014764,3014865,102,EXACT,AG-GT
3015118,3015192,75,EXACT,AG-GT
3015438,3015583,146,EXACT,AG-GT
3016092,3016812,721,START:Ends:3018768-3016936-
ID=NCLIV_056690 - 6 A..ATG
3065105,3065385,281,END:EXACT

3065782,3065865,84,EXACT,AG-GT
 3066302,3066405,104,EXACT,AG-GT
 3066947,3067118,172,EXACT,AG-GT
 3067355,3067456,102,EXACT,AG-GT
 3068001,3068118,118,START:Ends:3068533-3068409-3068496-
 ID=NCLIV_056710 - 5 A..ATG
 3084103,3084308,206,END:Starts:3083511-3083541-3083510-
 3084787,3084843,57,EXACT,AG-GT
 3085051,3085249,199,EXACT,AG-GT
 3086138,3087000,863,END: start -21 AG-GT
 3087426,3088692,1267,START:Ends:3089444-3089580-
 ID=NCLIV_056730 - 1 G..ATGG
 3116343,3117338,996
 ID=NCLIV_056750 - 1 A..ATG
 3125028,3125459,432
 ID=NCLIV_056780 - 5 [CT]..ATG[ACT]
 3155645,3157070,1426
 3157463,3163630,6168
 3163890,3164645,756
 3165068,3165319,252
 3166156,3166184,29
 ID=NCLIV_056800 - 1 GCAATGT
 3175240,3175458,219
 ID=NCLIV_056810 - 2 A..ATG
 3179206,3179699,494,END:Starts:3178125-3178294-3178279-
 3179934,3183174,3241,START:Ends:3183702-3181706-3183700-
 ID=NCLIV_056830 - 1 A..ATG
 3189326,3189859,534
 ID=NCLIV_056850 - 3 A..ATG
 3199964,3200176,213
 3200586,3200686,101,END: start -42 AG (ref:AC-GT)<< Possible error
 3201150,3201756,607,START:EXACT
 ID=NCLIV_056860 - 10 G..ATGG
 3205383,3205706,324,END:Ends:3203070-3205706-
 3206049,3206352,304,EXACT,AG-GT
 3206757,3206978,222,EXACT,AG-GT
 3207585,3207667,83,EXACT,AG-GT
 3208239,3208339,101,EXACT,AG-GT
 3208642,3209245,604,EXACT,AG-GT
 3209627,3209703,77,EXACT,AG-GT
 3210266,3210386,121,EXACT,AG-GT
 3210966,3211278,313,EXACT,AG-GT
 3211654,3211967,314,START:EXACT
 ID=NCLIV_056870 - 7 A..ATG
 3212643,3212933,291,WITHIN:EXACT
 3213497,3215026,1530,EXACT,AG-GT
 3215521,3216929,1409,EXACT,AG-GT
 3217443,3217868,426,EXACT,AG-GT
 3218213,3218467,255,EXACT,GT
 3218986,3219254,269
 3219987,3220096,110
 ID=NCLIV_056900 - 17 A..ATG
 3240009,3249204,9196,END:Starts:3235679-3248131-
 3249325,3252131,2807,EXACT,GT
 3252566,3253849,1284,EXACT,Info:AG-GC-AG-GT-
 3254260,3257169,2910,START: end -69 GT
 3257737,3260967,3231,END: start -222 AG
 3261499,3262945,1447,START: end -921 GT
 3263597,3265398,1802
 3265968,3269665,3698

3270278,3275788,5511
3276443,3276576,134
3277255,3280257,3003,WITHIN: start 532 and end -23 AG
3280542,3280713,172
3281776,3281983,208
3282082,3282192,111
3283424,3283963,540
3284585,3284821,237,EXACT,AG
3285312,3285512,201,START:Ends:3286860-3288228-
ID=NCLIV_056920 - 3 A..ATG
3294163,3294458,296
3294964,3295080,117
3295258,3295318,61
ID=NCLIV_056950 - 8 A..ATG
3306448,3307797,1350,END:Starts:3305707-3305874-3305766-
3308143,3308388,246,EXACT,AG-GT
3308736,3308872,137,EXACT,AG-GT
3309210,3309435,226,START: end 2 GT
3309861,3310015,155,END: start 7 AG
3310419,3310554,136,EXACT,AG-GT
3310843,3311505,663,EXACT,AG-GT
3312254,3312364,111,START:Ends:3313477-3313620-
ID=NCLIV_056970 - 17 A..ATG
3323756,3324035,280
3324500,3324553,54
3324876,3324953,78
3325433,3326240,808
3326758,3326809,52
3327185,3327316,132
3327431,3327961,531
3328494,3328629,136
3328777,3328919,143
3329028,3329186,159
3329777,3329834,58
3330615,3330697,83
3331243,3331382,140
3331639,3331744,106
3332468,3332486,19
3332979,3333090,112
3333780,3333948,169
ID=NCLIV_056990 - 5 G..ATGG
3348317,3348505,189,END:Starts:3346628-3347338-3346626-
3348830,3349948,1119,EXACT,AG-GT
3350406,3351416,1011,EXACT,AG
3352328,3352443,116
3354072,3355920,1849
ID=NCLIV_057000 - 4 A..ATG
3369055,3369389,335,END:Starts:3368615-3368580-3368640-
3369815,3370139,325,END: start -51 AG-GT
3370673,3370750,78,EXACT,GT
3371088,3371189,102,START:Ends:3371988-3372015-
ID=NCLIV_057010 - 10 G..ATGG
3374403,3374576,174,OVER:Starts:3372112-3373091-
3375222,3375701,480,OVER: start -3110 and end 524 AG
3376201,3376225,25,END: start -4089 AG
3376674,3376812,139,EXACT,AG-GT
3377093,3377153,61,START: end 649 AG-GT
3377714,3377802,89,END: start -621 AG-GT
3378360,3378410,51,EXACT,AG-GT
3378943,3379647,705,EXACT,AG-GT

3379982,3380079,98,EXACT,AG-GT
 3380766,3382504,1739,START:Ends:3385086-3385730-
 ID=NCLIV_057020 - 7 [CT]..ATG[ACT]
 3385643,3385679,37,OVER:Ends:3385086-3385730-
 3386238,3386433,196,EXACT,AG-GT
 3387023,3387079,57,EXACT,AG-GT
 3387518,3387764,247,EXACT,AG-GT
 3388218,3388328,111,START: end 399 GT
 3388926,3389273,348
 3389840,3393484,3645
 ID=NCLIV_057030 - 1 A..ATG
 3395988,3397394,1407
 ID=NCLIV_057060 - 1 G..ATGG
 3413163,3415088,1926
 ID=NCLIV_057080 - 10 [CT]..ATG[ACT]
 3447038,3450313,3276,END:Starts:3446493-3446300-
 3450683,3450870,188,EXACT,AG
 3451586,3452279,694,EXACT,AG-GT
 3452572,3452685,114,EXACT,AG-GT
 3453178,3453273,96,EXACT,AG-GT
 3453672,3453726,55,EXACT,AG-GT
 3454060,3454267,208,EXACT,AG-GT
 3454381,3456100,1720,START: end 89 AG-GT
 3456311,3456396,86
 3456800,3457946,1147,START:Ends:3458875-3460853-
 ID=NCLIV_057160 - 7 GGAATGC
 3538130,3538210,81,END:Starts:3537665-3537668-
 3538749,3538817,69,EXACT,AG-GT
 3539360,3539544,185,START: end 86 GT
 3540081,3540216,136
 3540954,3541075,122,END: start -177 AG
 3541198,3541279,82,EXACT,AG-GT
 3541628,3541639,12
 ID=NCLIV_057180 - 9 CAGATGG
 3553207,3553233,27
 3553696,3553757,62,END: start -113 AG
 3554710,3554820,111,EXACT,AG-GT
 3555256,3555307,52,EXACT,AG-GT
 3555744,3555802,59,EXACT,AG-GT
 3556784,3556889,106
 3557378,3557440,63,EXACT,AG
 3557914,3558010,97,EXACT,AG-GT
 3558311,3558414,104,START:Ends:3559043-3559167-
 ID=NCLIV_057200 - 5 GCAATGT
 3569915,3570047,133,END:Starts:3567945-3568797-3567893-
 3570488,3570590,103,EXACT,AG-GT
 3571132,3571260,129,EXACT,AG-GT
 3571659,3571709,51,EXACT,AG-GT
 3572412,3572505,94,START:EXACT
 ID=NCLIV_057210 - 7 G..ATGG
 3575887,3576106,220,OVER:Starts:3574047-3573921-
 3576578,3576726,149,END: start -2657 AG
 3577085,3577335,251,EXACT,AG-GT
 3577746,3578202,457,EXACT,AG-GT
 3578708,3578925,218,EXACT,AG-GT
 3579189,3579351,163,EXACT,AG-GT
 3579782,3582460,2679,START:Ends:3583559-3583607-
 ID=NCLIV_057220 - 4 A..ATG
 3586414,3586523,110,END:Starts:3585803-3585917-3585898-
 3586952,3587002,51,EXACT,AG-GT

3587759,3589565,1807,START: end -433 GT
 3589979,3590179,201,START:Ends:3591784-3592305-
 ID=NCLIV_057240 - 7 A..ATG
 3596682,3597151,470
 3597550,3597772,223
 3598095,3598188,94
 3599032,3599312,281
 3600001,3600097,97
 3600658,3600994,337
 3601749,3601767,19
 ID=NCLIV_057250 - 2 A..ATG
 3604326,3604549,224,END:Starts:3603799-3603923-3603819-
 3604890,3605313,424,START:Ends:3605768-3605758-3605816-
 ID=NCLIV_057270 - 2 [CT]..ATG[ACT]
 3609462,3609510,49,END:Starts:3608257-3609267-3609293-
 3610250,3610428,179,START:EXACT
 ID=NCLIV_057290 - 1 [CT]..ATG[ACT]
 3623279,3625972,2694
 ID=NCLIV_057300 - 1 A..ATG
 3627884,3630007,2124
 ID=NCLIV_057310 - 3 GTGATGA
 3633163,3634082,920,OVER:Starts:3631769-3632120-3632023-
 3634272,3634305,34,END: start -2249 Info:AG-GT-Stop Codon:AG-GT-donor=AC- (ref:AC-GT)<<
 Possible error
 3634863,3637610,2748,START:Ends:3640345-3639124-3640975-
 ID=NCLIV_057360 - 1 G..ATGG
 3679799,3682333,2535
 ID=NCLIV_057370 - 1 [CT]..ATG[ACT]
 3684057,3684524,468
 ID=NCLIV_057410 - 4 G..ATGG
 3711491,3714154,2664,END:Starts:3710510-3709831-
 3714563,3714834,272,EXACT,AG-GT
 3715383,3715585,203,START: end -46 GT
 3716178,3716986,809
 ID=NCLIV_057430 - 3 G..ATGG
 3731273,3731449,177
 3731982,3732273,292
 3732707,3732864,158
 ID=NCLIV_057440 - 3 A..ATG
 3736746,3736883,138
 3737392,3737464,73
 3737710,3739823,2114
 ID=NCLIV_057450 - 5 [CT]..ATG[ACT]
 3743214,3744047,834,END:Starts:3741961-3743024-3742857-
 3744511,3744800,290,EXACT,AG-GT
 3745045,3745457,413,EXACT,AG-GT
 3745606,3746399,794,START: end -22 GT
 3747126,3747581,456
 ID=NCLIV_057480 - 4 A..ATG
 3770501,3770634,134,END:Starts:3767809-3769899-3769857-
 3771115,3771225,111,END: start -122 AG-GT
 3771543,3771647,105,OVER: start -21 and end 77 GT
 3772020,3772308,289
 ID=NCLIV_057490 - 2 A..ATG
 3775067,3775322,256,END:Starts:3774134-3774110-3773920-
 3775771,3775952,182,START:Ends:3776776-3776756-3776865-
 ID=NCLIV_057520 - 1 GAAATGA
 3801205,3801783,579
 ID=NCLIV_057550 - 14 A..ATG
 3835645,3835742,98,END:EXACT

3836103,3836317,215,EXACT,AG-GT
 3836838,3836959,122,EXACT,ATG:AG-GT
 3837413,3837570,158,EXACT,AG-GT
 3838281,3838441,161,EXACT,AG-GT
 3838606,3838844,239,EXACT,TAGTGAITAA:AG-GT
 3839239,3839333,95,EXACT,AG-GT
 3839698,3839790,93,EXACT,AG-GT
 3841044,3841140,97,EXACT,AG-GT
 3841647,3841783,137,EXACT,AG-GT
 3842170,3842293,124,EXACT,AG-GT
 3842795,3842886,92,EXACT,AG-GT
 3843236,3843697,462,EXACT,AG-GT
 3844154,3846044,1891,START:Ends:3847752-3847739-3847740-
 ID=NCLIV_057560 - 2 TCCATGG
 3850299,3850706,408
 3851129,3855781,4653
 ID=NCLIV_057580 - 6 A..ATG
 3871661,3871698,38,END:Starts:3871585-3870672-3870070-
 3872271,3872348,78,EXACT,GT
 3872762,3872841,80,START: end 328 Info:AG-GT-AG-GC-
 3873430,3873485,56,EXACT,AG-GT
 3873939,3874011,73,EXACT,AG-GT
 3874535,3876129,1595,START:Ends:3876903-3876871-3876930-
 ID=NCLIV_057590 - 1 GCGATGC
 3878871,3880025,1155
 ID=NCLIV_057600 - 3 GGCATGT
 3913516,3916097,2582,END:Starts:3909824-3911680-3911249-
 3916417,3916492,76,EXACT,AG-GT
 3916800,3917483,684,START:Ends:3918814-3918841-
 ID=NCLIV_057610 - 5 CAAATGG
 3921354,3921515,162,END:Starts:3918947-3919987-3918875-
 3921994,3922066,73,EXACT,AG-GT
 3922341,3922540,200,END: start 6 AG-GT
 3923632,3923899,268,OVER: start -521 and end 1321 GT
 3924451,3924926,476,OVER:Ends:3923899-3925220-
 ID=NCLIV_057630 - 14 A..ATG
 3932846,3933948,1103
 3934687,3934790,104
 3935747,3935883,137
 3936362,3936444,83
 3936939,3936986,48
 3937468,3937584,117
 3937729,3937966,238
 3938144,3938212,69
 3938842,3938909,68
 3939338,3939531,194
 3939929,3940023,95
 3940215,3940319,105
 3940620,3940698,79
 3941395,3941612,218
 ID=NCLIV_057650 - 3 G..ATGG
 3950870,3951485,616,END:Starts:3950542-3948839-
 3951730,3952002,273,EXACT,AG-GT
 3953054,3953580,527,START:Ends:3954196-3953659-3955025-
 ID=NCLIV_057670 - 19 A..ATG
 3961925,3962008,84,END:Starts:3961375-3961391-3961405-
 3962523,3962633,111,EXACT,AG-GT
 3963109,3963918,810,EXACT,AG-GT
 3964184,3964400,217,START: end 158 GT
 3964681,3964829,149,END: start -1 AG (ref:AC-GT)<< Possible error

3965641,3965751,111,EXACT,AG-GT
 3965903,3966475,573,EXACT,AG-GT
 3966970,3967535,566,EXACT,ATG:AG-GT
 3968874,3969138,265,EXACT,AG-GT
 3969903,3970025,123,EXACT,AG-GT
 3970591,3970720,130,EXACT,AG-GT
 3971184,3971306,123,START: end 374 AG-GT
 3971853,3972059,207,END: start 11 Info:donor=CT-AG-GC-AG-GT- (ref:AC-GT)<< Possible error
 3973436,3973592,157,END: start 8 AG-GT (ref:AC-GT)<< Possible error
 3974372,3974580,209,EXACT,TAG|TGA|TAA:AG-GT
 3975318,3975447,130,START: end 96 AG-GT (ref:AC-GT)<< Possible error
 3977878,3978126,249,END: start 7 AG
 3978592,3978963,372,EXACT,TAG|TGA|TAA:AG-GT
 3979836,3980031,196,START:Ends:3983383-3979865-
 ID=NCLIV_057680 - 3 A..ATG
 3983150,3983381,232,OVER:Ends:3983383-3979865-
 3983678,3983885,208,END: start -177 AG
 3984525,3984594,70,START:Ends:3987162-3986456-
 ID=NCLIV_057710 - 3 A..ATG
 3996936,3996997,62,END:Starts:3996716-3996773-
 3997494,3997588,95,START: end 578 GT
 3998691,3998758,68
 ID=NCLIV_057730 - 1 A..ATG
 4004831,4010164,5334
 ID=NCLIV_057740 - 13 CACATGG
 4015099,4015266,168,END:Starts:4014143-4014579-4014560-
 4015994,4016228,235,EXACT,AG-GT
 4016598,4017625,1028,EXACT,AG-GT
 4018092,4018223,132,EXACT,AG-GT
 4018963,4019442,480,EXACT,AG-GT
 4019703,4020137,435,EXACT,AG-GT
 4020752,4020823,72,EXACT,AG-GT
 4021181,4021873,693,EXACT,AG-GT
 4022270,4022633,364,EXACT,AG-GT
 4023000,4023203,204,EXACT,AG-GT
 4023692,4024791,1100,START: end -466 GT
 4025262,4025844,583,WITHIN: start 16 and end -1 AG
 4026163,4027202,1040
 ID=NCLIV_057760 - 6 A..ATG
 4041071,4044427,3357
 4045114,4045493,380
 4045945,4046447,503
 4046754,4046907,154
 4047698,4050231,2534
 4050714,4054414,3701
 ID=NCLIV_057790 - 3 A..ATG
 4081499,4081686,188,END:Starts:4080400-4076092-
 4082067,4082190,124,EXACT,AG-GT
 4082463,4082717,255,START:Ends:4083258-4083094-
 ID=NCLIV_057810 - 5 G..ATGG
 4101533,4105103,3571
 4105726,4105817,92
 4106228,4107053,826
 4107488,4107963,476
 4108284,4109264,981
 ID=NCLIV_057820 - 20 A..ATG
 4112327,4112422,96,END:EXACT
 4113081,4113649,569,EXACT,AG-GT
 4114102,4114165,64,EXACT,TAG|TGA|TAA:AG-GT
 4115070,4115115,46,EXACT,AG-GT

4116016,4116253,238,EXACT,AG-GT
4116798,4116849,52,EXACT,GT
4117450,4117517,68,EXACT,GT
4118033,4118154,122
4118390,4118439,50
4118752,4118758,7
4119498,4119584,87
4120189,4120261,73
4120673,4120874,202
4121202,4121283,82
4121637,4121755,119
4122057,4122118,62
4122638,4122699,62
4123271,4123613,343
4124114,4124211,98,END: start 2 AG
4124767,4124870,104,START:Ends:4126160-4126116-
ID=NCLIV_057840 - 4 GAAATGT
4139154,4139452,299
4139694,4139801,108
4139938,4140136,199
4140750,4140794,45
ID=NCLIV_057860 - 4 G..ATGG
4149623,4149791,169,END:Starts:4149388-4149379-4149368-
4150262,4150356,95,EXACT,AG-GT
4150805,4150969,165,EXACT,GT
4151455,4151565,111,OVER:Starts:4151055-4151401-
ID=NCLIV_057890 - 4 A..ATG
4175533,4175929,397,END:Starts:4175185-4175186-4175183-
4176378,4176519,142,EXACT,AG-GT
4176747,4176903,157,EXACT,AG-GT
4177393,4178316,924,START:Ends:4178393-4178363-4178400-
ID=NCLIV_057900 - 6 A..ATG
4180884,4180990,107,OVER:Starts:4179903-4181304-
4181304,4181640,337,END: start -1401 AG
4182154,4182953,800,EXACT,AG-GT
4183146,4183644,499,EXACT,GT
4184133,4186358,2226
4186760,4187326,567
ID=NCLIV_057920 - 10 G..ATGG
4197272,4197402,131,END:Starts:4196719-4196848-4196720-
4197645,4197834,190,EXACT,AG-GT
4198294,4198523,230,EXACT,AG-GT
4200281,4200355,75
4201570,4201702,133,EXACT,AG-GT
4202451,4202548,98,EXACT,AG-GT
4203112,4203173,62,EXACT,AG-GT
4203447,4203636,190,EXACT,AG-GT
4203984,4204124,141,EXACT,AG-GT
4204747,4204888,142,START:Ends:4206417-4206379-
ID=NCLIV_057940 - 2 A..ATG
4220585,4227760,7176,END:Starts:4218561-4220144-4224100-
4228186,4230435,2250,START:Ends:4233144-4230961-4233184-
ID=NCLIV_057950 - 10 A..ATG
4235855,4236660,806,END:Starts:4235379-4235330-4235377-
4237065,4237185,121,EXACT,AG-GT
4237608,4237688,81,EXACT,AG-GT
4238019,4238126,108,EXACT,AG-GT
4238494,4238538,45,EXACT,AG-GT
4239373,4239950,578,START: end -12 GT
4240532,4241305,774,END: start 14 AG (ref:AC-GT)<< Possible error

4241451,4241619,169,EXACT,TAG|TGA|TAA:AG-GT
 4241854,4241913,60,EXACT,AG-GT
 4242647,4242742,96,START:Ends:4243952-4243735-4243724-
 ID=NCLIV_057990 - 5 A..ATG
 4263418,4263471,54,END:Starts:4262763-4262767-
 4263925,4264218,294,EXACT,AG-GT
 4264671,4265122,452,START: end -90 GT
 4265612,4265985,374,END: start 28 AG
 4266477,4266532,56,START:Ends:4267462-4267232-
 ID=NCLIV_058010 - 10 A..ATG
 4276072,4276164,93,END:Starts:4274309-4274396-4274395-
 4276531,4276596,66,START: end 343 GT
 4277615,4277668,54
 4278250,4278311,62
 4278948,4280330,1383
 4280771,4280992,222
 4281241,4281388,148
 4281682,4281818,137
 4282425,4282492,68
 4283511,4283602,92
 ID=NCLIV_058030 - 2 CACATGG
 4293064,4296956,3893
 4297406,4297481,76,START:Ends:4299461-4297540-
 ID=NCLIV_058040 - 4 A..ATG
 4301164,4301412,249,END:Starts:4300745-4300760-
 4301924,4302004,81,EXACT,ATG:AG-GT
 4302132,4302324,193,EXACT,AG-GT
 4303590,4303642,53,START:Ends:4304285-4304111-4304275-
 ID=NCLIV_058050 - 5 A..ATG
 4306975,4307051,77,END:EXACT
 4307317,4307499,183,EXACT,AG-GT
 4308187,4308396,210,EXACT,AG-GT
 4308887,4309779,893,START: end 11 GT
 4311022,4311491,470
 ID=NCLIV_058070 - 2 A..ATG
 4317035,4317471,437
 4317902,4318445,544
 ID=NCLIV_058080 - 2 TATATGG
 4320826,4321430,605
 4321690,4322263,574
 ID=NCLIV_058090 - 2 [CT]..ATG[ACT]
 4324610,4325247,638
 4325486,4326230,745
 ID=NCLIV_058100 - 2 A..ATG
 4328291,4328833,543
 4329105,4329737,633
 ID=NCLIV_058110 - 2 TCCATGG
 4332058,4332576,519
 4332872,4333507,636
 ID=NCLIV_058150 - 13 A..ATG
 4363219,4363260,42
 4363387,4363569,183,EXACT,GT
 4363909,4363920,12
 4364622,4364730,109,END: start 10 AG
 4364876,4365011,136,EXACT,AG-GT
 4365486,4365660,175,EXACT,AG-GT
 4366069,4366263,195,START: end -76 GT
 4366684,4366890,207
 4367176,4367315,140
 4367600,4367728,129

4368358,4368407,50
 4368690,4369081,392
 4369777,4370853,1077
 ID=NCLIV_058160 - 3 [CT]..ATG[ACT]
 4373466,4374975,1510,END:Starts:4372700-4372617-4372673-
 4375485,4376657,1173,START: end 2243 GT
 4377257,4377282,26,OVER:Ends:4378957-4375950-4378900-
 ID=NCLIV_058170 - 10 A..ATG
 4380140,4380235,96
 4380827,4380949,123
 4381337,4381456,120
 4381854,4381861,8
 4383404,4384239,836
 4384493,4384586,94
 4385090,4385211,122
 4385629,4385759,131
 4386065,4386250,186
 4386781,4387104,324
 ID=NCLIV_058180 - 1 A..ATG
 4389221,4390696,1476
 ID=NCLIV_058230 - 5 [CT]..ATG[ACT]
 4429247,4429287,41
 4429621,4429680,60
 4430217,4430450,234
 4430683,4430946,264
 4431431,4431683,253
 ID=NCLIV_058250 - 6 GCTATGC
 4438836,4439279,444
 4439878,4440116,239
 4440495,4442121,1627
 4442426,4442657,232
 4443186,4443685,500
 4444147,4444584,438
 ID=NCLIV_058270 - 11 CGGATGG
 4452354,4452880,527,END:Starts:4450929-4451015-4452517-
 4453113,4453566,454,START: end 3 GT
 4453992,4454152,161
 4454521,4454698,178
 4455266,4455724,459
 4456101,4456258,158,END: start 2 AG
 4456569,4456629,61,EXACT,AG-GT
 4456879,4457054,176,EXACT,AG-GT
 4457379,4457690,312,START: end 3 GT
 4458047,4458137,91,END: start 23 AG
 4458482,4459711,1230,START:Ends:4460489-4460600-
 ID=NCLIV_058280 - 8 G..ATGG
 4464190,4464291,102
 4464596,4464789,194,END: start -131 AG
 4465061,4465325,265,START: end -8 GT
 4465890,4466189,300,END: start 15 AG
 4466458,4466925,468,EXACT,AG-GT
 4467275,4467384,110,EXACT,AG-GT
 4467887,4468284,398,EXACT,AG-GT
 4468439,4468668,230,START:Ends:4470185-4469230-
 ID=NCLIV_058310 - 1 A..ATG
 4491130,4492359,1230
 ID=NCLIV_058320 - 2 [CT]..ATG[ACT]
 4501219,4502824,1606
 4503359,4503393,35
 ID=NCLIV_058340 - 10 A..ATG

4515927,4516008,82,END:Starts:4515417-4515436-4515433-
4516184,4516287,104,EXACT,AG-GT
4516604,4516675,72,EXACT,AG-GT
4516797,4516985,189,EXACT,AG-GT
4517082,4517180,99,EXACT,AG-GT
4517619,4517805,187,EXACT,AG-GT
4518155,4518762,608,EXACT,AG-GT
4519114,4519333,220,EXACT,AG-GT
4519529,4520232,704,START: end -1 GT
4520584,4520670,87,START:Ends:4521023-4522254-
ID=NCLIV_058350 - 11 CAAATGG
4524192,4524245,54,END:Starts:4523525-4523470-4523563-
4524912,4524962,51,EXACT,AG-GT
4525348,4525427,80,EXACT,GT
4525894,4526024,131
4526438,4526569,132
4527049,4527086,38
4527379,4527488,110
4527753,4527835,83
4528221,4528266,46
4530017,4530445,429,END: start 9 AG
4530682,4530826,145,START:EXACT
ID=NCLIV_058370 - 6 GCGATGT
4537579,4537638,60,END:Starts:4537302-4537290-4537294-
4537930,4537999,70,EXACT,AG-GT
4538325,4538395,71,EXACT,AG-GT
4538814,4538987,174,EXACT,AG-GT
4539598,4539693,96,EXACT,AG-GT
4540183,4542429,2247,START:Ends:4549425-4542267-4545116-
ID=NCLIV_058390 - 7 CCGATGG
4551534,4551601,68
4551903,4551977,75
4552506,4552608,103
4552961,4553045,85
4553412,4553482,71
4553681,4553815,135
4554477,4554626,150
ID=NCLIV_058420 - 4 A..ATG
4573846,4573947,102,OVER:Starts:4573707-4573657-4573702-
4574084,4574110,27,END: start -382 AG (ref:AC-GT)<< Possible error
4574725,4574825,101,EXACT,AG-GT
4575050,4575392,343,START:Ends:4576123-4576191-4576174-
ID=NCLIV_058440 - 10 A..ATG
4598941,4599007,67,END:Starts:4597711-4597717-4597713-
4599465,4599739,275,EXACT,AG-GT
4600260,4600427,168,EXACT,AG-GT
4600655,4600792,138,EXACT,AG-GT
4601379,4601445,67,EXACT,AG-GT
4601613,4601788,176,EXACT,AG-GT
4602075,4602215,141,EXACT,AG-GT
4603266,4603452,187,START: end -6 GT
4603788,4603940,153,END: start -1 AG
4604373,4604488,116,START:EXACT
ID=NCLIV_058460 - 9 G..ATGG
4615685,4615822,138
4616288,4616534,247
4616804,4616946,143
4617403,4617562,160
4618202,4618359,158
4618813,4618938,126

4619514,4619790,277
4620236,4620412,177
4621022,4621998,977
ID=NCLIV_058470 - 5 A..ATG
4631314,4631397,84,END:Starts:4630516-4630434-
4631944,4632006,63,EXACT,AG-GT
4632217,4634137,1921,START: end -714 AG-GT
4634779,4634893,115,START: end 2 GT
4635392,4635515,124
ID=NCLIV_058490 - 8 TTAATGG
4641622,4641648,27
4642124,4643453,1330
4643825,4643931,107
4644436,4644936,501
4645302,4645481,180
4645835,4646029,195
4646541,4646622,82
4647642,4648165,524
ID=NCLIV_058510 - 1 G..ATGG
4679924,4683208,3285
ID=NCLIV_058540 - 4 A..ATG
4697799,4698167,369,END:Starts:4696663-4697415-4697380-
4698706,4698799,94,START: end -14 GT
4699190,4699279,90,END: start -38 AG-GT (ref:AC-GT)<< Possible error
4699809,4699882,74,START:Ends:4701195-4701197-
ID=NCLIV_058580 - 6 [CT]..ATG[ACT]
4722950,4723654,705
4723833,4723976,144
4724285,4724403,119
4724620,4724807,188
4725790,4725915,126
4726444,4727096,653
ID=NCLIV_058590 - 5 GCCATGA
4727881,4728006,126
4728524,4728720,197
4728807,4728949,143
4729111,4729545,435
4729682,4731375,1694
ID=NCLIV_058620 - 5 G..ATGG
4742183,4743244,1062,END:Starts:4741919-4740797-
4743568,4743812,245,EXACT,AG-GT
4744173,4744283,111,EXACT,AG-GT
4744847,4744884,38,START: end 2 GT
4745478,4746061,584
ID=NCLIV_058640 - 4 [CT]..ATG[ACT]
4753383,4753527,145
4755121,4755314,194
4756066,4756547,482
4756618,4756642,25
ID=NCLIV_058670 - 7 A..ATG
4768627,4768842,216,END:Starts:4765517-4767886-4768221-
4769305,4769394,90,START: end 503 GT
4770032,4770191,160
4770640,4770760,121
4770894,4770977,84,END: start 1 AG (ref:AC-GT)<< Possible error
4771477,4771601,125,EXACT,AG-GT
4772038,4772045,8,START:EXACT
ID=NCLIV_058700 - 13 A..ATG
4784266,4784323,58,END:Starts:4780855-4783779-4783907-
4784802,4784861,60,EXACT,AG-GT

4785137,4785258,122,EXACT,AG-GT
4785747,4785839,93,EXACT,AG-GT
4786893,4787013,121,END: start 10 AG-GT (ref:AC-GT)<< Possible error
4787521,4787562,42,EXACT,AG-GT
4787981,4788135,155,EXACT,AG-GT
4788694,4788775,82,EXACT,AG-GT
4789142,4789386,245,EXACT,AG-GT
4789875,4789994,120,EXACT,AG-GT
4790105,4790458,354,EXACT,AG-GT
4790737,4790794,58,EXACT,AG-GT
4791675,4792573,899,START:Ends:4793086-4792590-4793264-
ID=NCLIV_058720 - 6 G..ATGG
4796463,4796618,156,END:Starts:4796298-4796218-4796274-
4796834,4797130,297,EXACT,AG-GT
4797370,4797454,85,EXACT,AG-GT
4797918,4798646,729,START: end -6 GT
4798816,4798982,167,END: start 2 AG
4799499,4799906,408,START:Ends:4800681-4800690-
ID=NCLIV_058740 - 11 A..ATG
4805341,4805908,568,OVER:Starts:4805073-4805056-
4806237,4806324,88,END: start -19 AG (ref:AC-GT)<< Possible error
4806863,4807085,223,EXACT,AG-GT
4807471,4807617,147,EXACT,AG-GT
4808203,4808335,133,END: start -99 AG-GT (ref:AC-GT)<< Possible error
4808612,4808676,65,EXACT,AG-GT
4809028,4809082,55,EXACT,AG-GT
4809371,4809451,81,EXACT,AG-GT
4809885,4810122,238,EXACT,AG-GT
4810411,4810736,326,START: end -204 AG-GT (ref:AC-GT)<< Possible error
4810882,4811930,1049,START:Ends:4811040-4811577-4813127-
ID=NCLIV_058760 - 1 A..ATG
4821080,4822246,1167
ID=NCLIV_058770 - 2 A..ATG
4824740,4824985,246,END:Starts:4822944-4823010-4824163-
4825590,4827968,2379,START:Ends:4828242-4828186-4828225-
ID=NCLIV_058790 - 4 GAGATGA
4830535,4830565,31,END:Starts:4828453-4828494-4829282-
4830671,4830942,272,END: start 7 AG-GT (ref:AC-GT)<< Possible error
4831080,4831475,396,EXACT,AG-GT
4831583,4832419,837,START:Ends:4832849-4832592-4832985-
ID=NCLIV_058810 - 4 A..ATG
4843956,4844017,62,END:Starts:4843534-4843563-4843518-
4844593,4844973,381,EXACT,AG-GT
4845165,4845206,42,EXACT,AG-GT
4845563,4845683,121,START:Ends:4846140-4845939-4845908-
ID=NCLIV_058830 - 4 A..ATG
4856271,4856338,68,END:Starts:4855783-4855915-4855785-
4856559,4856939,381,EXACT,AG-GT
4857478,4857519,42,EXACT,AG-GT
4857856,4858231,376,START:Starts:4857856-
ID=NCLIV_058850 - 4 G..ATGG
4862307,4862363,57,END:Starts:4857856-
4862714,4862833,120,EXACT,AG-GT
4863243,4863363,121,EXACT,AG-GT
4864084,4864961,878,START:Ends:4865799-4865851-
ID=NCLIV_058870 - 6 GAAATGC
4871608,4873019,1412
4873808,4873961,154
4874591,4874815,225
4875440,4875604,165

4876299,4876429,131
 4876680,4876743,64
 ID=NCLIV_058880 - 7 CTGATGG
 4879095,4879336,242
 4879913,4880078,166
 4880634,4881134,501
 4881624,4882273,650
 4883413,4883582,170
 4885103,4885205,103
 4885546,4885624,79
 ID=NCLIV_058940 - 4 G..ATGG
 4949390,4952991,3602
 4953226,4953265,40
 4953364,4954475,1112
 4955160,4955670,511
 ID=NCLIV_058970 - 13 A..ATG
 4976821,4977061,241,OVER:Starts:4975946-4976657-
 4977829,4977954,126,END: start 14 AG
 4978169,4978411,243,EXACT,AG-GT
 4978676,4978767,92,START: end 109 AG-GT
 4979149,4979235,87,START: end 52 AG-GT
 4979659,4979933,275
 4980153,4980369,217
 4981153,4981265,113,EXACT,AG-GT
 4981758,4981905,148,START: end 1 GT
 4982354,4982694,341,START: end 78 GT
 4983072,4983300,229
 4984380,4984497,118
 4985024,4985526,503
 ID=NCLIV_059000 - 1 A..ATG
 5001558,5002052,495
 ID=NCLIV_059020 - 1 A..ATG
 5006264,5007967,1704
 ID=NCLIV_059030 - 6 [CT]..ATG[ACT]
 5010006,5010559,554,END:Starts:5009985-5009990-
 5011109,5011556,448,END: start -1117 AG
 5012091,5012249,159,EXACT,AG-GT
 5012638,5012703,66,EXACT,AG-GT
 5013130,5013214,85,EXACT,GT
 5014110,5014183,74
 ID=NCLIV_059040 - 1 A..ATG
 5014852,5016357,1506
 ID=NCLIV_059060 - 13 A..ATG
 5028803,5029021,219
 5029257,5029412,156,END: start -120 AG
 5029764,5029877,114,EXACT,AG-GT
 5030317,5030465,149,EXACT,AG-GT
 5030657,5031308,652,START: end 232 AG-GT
 5031442,5031540,99,END: start -785 AG-GT
 5031816,5032277,462,START: end 68 GT
 5033014,5033473,460,END: start 32 AG
 5033780,5034509,730,START: end 109 GT
 5034852,5036172,1321
 5036829,5036997,169
 5037452,5037563,112
 5038110,5039061,952
 ID=NCLIV_059070 - 7 GGCATGC
 5041409,5041701,293,END:Starts:5041241-5041296-5041060-
 5042168,5042460,293,EXACT,AG-GT
 5042763,5044300,1538,EXACT,AG-GT

5044550,5044699,150,EXACT,AG-GT
5045044,5045115,72,EXACT,AG-GT
5045410,5045628,219,EXACT,AG-GT
5045959,5046567,609,START:Ends:5047699-5047594-
ID=NCLIV_059080 - 7 TCCATGG
5049642,5049837,196
5050342,5050547,206
5051196,5051423,228,END: start -24 Info:AG-GT-AG-GC-
5051893,5054862,2970,START: end -907 GT
5055494,5055726,233
5056540,5056963,424
5057178,5060354,3177
ID=NCLIV_059090 - 3 A..ATG
5065718,5067856,2139,END:Starts:5064401-5064252-
5068069,5068203,135,EXACT,AG-GT
5068652,5069986,1335,START:Ends:5068678-5071191-
ID=NCLIV_059110 - 1 A..ATG
5085990,5087927,1938
ID=NCLIV_059160 - 16 GCGATGC
5149437,5149587,151
5149822,5149922,101,END: start 10 Info:AG-GT-AG-GC-donor=TA- (ref:AC-GT)<< Possible error
5150249,5150335,87,EXACT,AG-GT
5151230,5152145,916,START: end -192 GT
5152604,5152690,87
5153014,5153396,383,END: start 4 AG
5153539,5154018,480,START: end 51 GT
5154507,5154975,469
5155714,5155791,78,END: start -172 AG
5156307,5156751,445,START: end 1 GT
5157150,5157606,457
5158017,5158401,385
5158785,5159164,380
5159500,5159740,241
5160243,5160697,455
5162538,5162585,48
ID=NCLIV_059170 - 3 GCCATGA
5164149,5164206,58,OVER:Starts:5163632-5163640-5163674-
5164894,5165032,139,START: end -45 AG-GT (ref:AC-GT)<< Possible error
5165355,5166861,1507,START:Ends:5167305-5167286-5167306-
ID=NCLIV_059200 - 1 G..ATGG
5196399,5197628,1230
ID=NCLIV_059210 - 18 A..ATG
5199927,5199976,50,END:Starts:5199732-5199685-5199677-
5200390,5200440,51,EXACT,AG-GT
5201160,5201238,79,EXACT,AG-GT
5201976,5202049,74,EXACT,AG-GT
5202678,5202822,145,EXACT,AG-GT
5203136,5203183,48,EXACT,AG-GT
5203784,5203864,81,EXACT,AG-GT
5204219,5204399,181,EXACT,AG-GT
5205011,5205108,98,EXACT,AG-GT
5205497,5205559,63,EXACT,AG-GT
5205913,5206299,387,EXACT,AG-GT
5207073,5207131,59,EXACT,AG-GT
5207443,5207584,142,EXACT,AG-GT
5207914,5208015,102,EXACT,AG-GT
5208467,5208553,87,EXACT,AG-GT
5209144,5210300,1157,START: end -728 GT
5210720,5210963,244,EXACT,AG-GT
5211734,5211850,117,START:Ends:5213067-5212818-5218009-

ID=NCLIV_059220 - 7 GGCATGT
 5214878,5215996,1119
 5216608,5217257,650
 5218227,5218460,234
 5219340,5219508,169
 5220014,5220424,411
 5220908,5221660,753
 5222085,5222516,432
 ID=NCLIV_059230 - 17 G..ATGG
 5226209,5227061,853
 5227463,5227737,275
 5228192,5228539,348
 5229238,5229335,98
 5229607,5229703,97
 5230291,5230344,54
 5230832,5231049,218
 5231416,5231691,276
 5231845,5231983,139
 5232392,5232626,235
 5233030,5233404,375
 5234155,5234571,417
 5234961,5235142,182
 5235411,5235531,121
 5236019,5236209,191
 5237308,5237452,145
 5237605,5237684,80
 ID=NCLIV_059250 - 2 A..ATG
 5243829,5244155,327,END:Starts:5242046-5241968-5244078-
 5244637,5244948,312,START:Ends:5245868-5245424-5245897-
 ID=NCLIV_059280 - 2 G..ATGG
 5257235,5257734,500,END:Starts:5256868-5256763-5256764-
 5257997,5258045,49,OVER:EXACT
 ID=NCLIV_059300 - 7 G..ATGG
 5269242,5269553,312,END:Starts:5267221-5268607-5268562-
 5269854,5269966,113,EXACT,AG-GT
 5270210,5270320,111,EXACT,ATG:AG-GT
 5270910,5271525,616,EXACT,AG-GT
 5271812,5271979,168,EXACT,AG-GT
 5272388,5272528,141,EXACT,AG-GT
 5273105,5273290,186,START:Ends:5274219-5273733-5274196-
 ID=NCLIV_059320 - 3 GCCATGA
 5286968,5287367,400,END:Starts:5286930-5285553-
 5287917,5288074,158,START: end 3 GT
 5288591,5289409,819
 ID=NCLIV_059340 - 17 A..ATG
 5300052,5300105,54,END:EXACT
 5300539,5300811,273,EXACT,AG-GT
 5301120,5301173,54,EXACT,AG-GT
 5301612,5301662,51,EXACT,AG-GT
 5302107,5302157,51,EXACT,AG-GT
 5302349,5302399,51,EXACT,AG-GT
 5302727,5302833,107,EXACT,AG-GT
 5303409,5303469,61,EXACT,AG-GT
 5303638,5303791,154,EXACT,AG-GT
 5304288,5304394,107,EXACT,AG-GT
 5304853,5304940,88,EXACT,AG-GT
 5305438,5305659,222,EXACT,AG-GT
 5306104,5306181,78,EXACT,AG-GT
 5306486,5306714,229,END: start 57 AG-GT (ref:AC-GT)<< Possible error
 5306913,5307072,160,EXACT,AG-GT

5307568,5307659,92,EXACT,AG-GT
 5308218,5308260,43,START:Ends:5308801-5308734-5308843-
 ID=NCLIV_059360 - 9 A..ATG
 5313599,5314459,861,END:Starts:5313160-5313147-
 5314747,5315024,278,EXACT,AG-GT
 5315509,5315680,172,EXACT,AG-GT
 5315881,5315973,93,EXACT,AG-GT
 5316385,5316590,206,EXACT,AG-GT
 5317268,5317525,258,START: end 363 GT
 5318080,5318170,91
 5318828,5318919,92
 5319652,5320222,571
 ID=NCLIV_059380 - 8 A..ATG
 5328750,5328833,84,END:Starts:5328193-5328195-5328153-
 5329218,5329295,78,EXACT,ATG:AG-GT
 5329394,5329460,67,EXACT,AG-GT
 5329571,5329662,92,EXACT,AG-GT
 5329780,5329907,128,EXACT,AG-GT
 5330061,5330312,252,EXACT,AG-GT
 5330427,5330589,163,EXACT,AG-GT
 5331189,5331194,6,START:Ends:5331836-5331696-5333127-
 ID=NCLIV_059410 - 7 A..ATG
 5340380,5340463,84,END:EXACT
 5340710,5340765,56,EXACT,AG-GT
 5340932,5340977,46,EXACT,AG-GT
 5341429,5341559,131,EXACT,AG-GT
 5342117,5342276,160,EXACT,AG-GT
 5342725,5342838,114,EXACT,AG-GT
 5343173,5343481,309,START:Ends:5343834-5343761-5343797-
 ID=NCLIV_059430 - 4 A..ATG
 5354629,5354808,180,END:Starts:5354193-5354191-5354164-
 5355373,5355618,246,EXACT,AG-GT
 5355821,5356245,425,EXACT,AG-GT
 5357976,5358090,115,START:Ends:5358260-5358287-
 ID=NCLIV_059440 - 18 G..ATGG
 5363955,5364203,249,END:Starts:5362801-5363373-5362673-
 5364510,5364671,162,EXACT,AG-GT
 5364877,5364930,54,EXACT,AG-GT
 5365308,5365428,121,EXACT,AG-GT
 5366344,5366371,28,END: start -124 AG-GT (ref:GC-GC)<< Possible error
 5367315,5367395,81,EXACT,AG-GT
 5367627,5367879,253,WITHIN: start 124 and end -63 AG-GT (ref:GC-GC)<< Possible error
 5368375,5368495,121,EXACT,AG-GT
 5369020,5369217,198,EXACT,GT
 5369622,5369704,83,EXACT,AG
 5370206,5370698,493,EXACT,AG-GT
 5371181,5371452,272,EXACT,AG
 5371864,5372030,167,START: end -27 GT
 5372854,5373180,327,END: start -5 AG
 5373720,5373821,102,EXACT,AG-GT
 5374762,5375065,304,EXACT,AG-GT
 5375403,5375488,86,START: end -5 GT
 5376029,5376170,142
 ID=NCLIV_059460 - 4 A..ATG
 5384727,5384777,51
 5384984,5385046,63
 5385471,5385915,445
 5386753,5387267,515
 ID=NCLIV_059480 - 1 A..ATG
 5394711,5396090,1380

ID=NCLIV_059490 - 7 A..ATG
5398265,5398461,197,END:Starts:5397684-5397671-5397971-
5398964,5399189,226,EXACT,AG-GT
5399368,5399564,197,EXACT,AG-GT
5400133,5400328,196,EXACT,AG-GT
5400726,5400968,243,EXACT,AG-GT
5401413,5401610,198,EXACT,AG-GT
5402280,5402702,423,START:Ends:5403670-5406205-

ID=NCLIV_059500 - 1 A..ATG
5406085,5408226,2142

ID=NCLIV_059510 - 9 A..ATG
5414638,5414821,184,END:Starts:5413959-5414131-5414069-
5415194,5415295,102,EXACT,AG-GT
5415747,5415989,243,EXACT,AG-GT
5416588,5416692,105,EXACT,GT
5417062,5417201,140
5417602,5417823,222
5418382,5418657,276
5419010,5419234,225
5419966,5420310,345

ID=NCLIV_059540 - 8 A..ATG
5447129,5447181,53,END:Starts:5446889-5446810-5446866-
5447902,5448049,148,EXACT,AG-GT
5448254,5448430,177,EXACT,AG-GT
5448934,5448969,36,EXACT,AG-GT
5449472,5449570,99,EXACT,AG-GT
5449943,5450195,253,START: end -210 ATG:AG-GT (ref:AC-GT)<< Possible error
5450536,5450654,119,EXACT,AG-GT
5451074,5451652,579,START:Ends:5452543-5452719-

ID=NCLIV_059560 - 13 A..ATG
5461603,5461633,31,END:Starts:5460256-5460150-5460566-
5462125,5462225,101,EXACT,AG-GT
5462701,5462788,88,EXACT,AG-GT
5463313,5463469,157,EXACT,AG-GT
5463944,5464038,95
5464343,5464563,221,EXACT,AG-GT
5464853,5465225,373,EXACT,AG-GT
5465805,5466041,237,EXACT,AG-GT
5466352,5467010,659,EXACT,AG-GT
5467441,5467709,269,EXACT,AG-GT
5468034,5468337,304,EXACT,AG-GT
5468891,5469169,279,EXACT,AG-GT
5469536,5469910,375,START:Ends:5470768-5471048-

ID=NCLIV_059580 - 2 GACATGC
5480547,5480855,309,END:EXACT
5481849,5482664,816,START:Ends:5482969-5482889-5482971-

ID=NCLIV_059600 - 3 A..ATG
5496406,5497507,1102,END:Starts:5495325-5495330-5495075-
5497971,5498314,344,START: end 2873 GT
5498754,5500160,1407,OVER:Ends:5501177-5501187-5502478-

ID=NCLIV_059620 - 4 A..ATG
5507419,5507489,71,END:Starts:5506825-5506823-5506767-
5507694,5508585,892,EXACT,AG-GT
5508944,5509083,140,EXACT,AG-GT
5509315,5509414,100,START:EXACT

ID=NCLIV_059640 - 13 GCAATGC
5518226,5518419,194,END:Starts:5517610-5517644-
5518929,5519073,145,EXACT,GT
5519307,5519381,75
5519634,5519803,170,EXACT,AG

5520310,5520465,156,EXACT,ATG:AG-GT
 5520958,5521367,410,START: end -22 GT
 5521819,5521919,101
 5522191,5522331,141
 5522775,5522885,111
 5523339,5523551,213
 5524260,5524451,192,START: end -7 GT
 5525523,5525991,469
 5526442,5526542,101
 ID=NCLIV_059660 - 7 GCAATGA
 5561860,5564740,2881
 5565128,5565365,238
 5566059,5566316,258
 5566700,5567014,315
 5567467,5567622,156
 5568002,5568184,183
 5568612,5568687,76
 ID=NCLIV_059670 - 11 A..ATG
 5572470,5572793,324,END:Starts:5572052-5572049-5572041-
 5573699,5573760,62,START: end -34 GT
 5574638,5574734,97
 5575011,5575092,82
 5575484,5575520,37,END: start 29 AG
 5575904,5575989,86,EXACT,AG-GT
 5576290,5576339,50,START: end 622 GT
 5577613,5577644,32
 5577750,5577905,156
 5578348,5578396,49
 5578665,5579057,393
 ID=NCLIV_059680 - 8 G..ATGG
 5582888,5583051,164,END:Starts:5580802-5580879-5580882-
 5583502,5583630,129,EXACT,AG-GT
 5584086,5584206,121,EXACT,AG-GT
 5584529,5584720,192,EXACT,AG-GT
 5585003,5585248,246,EXACT,AG-GT
 5585423,5585517,95,EXACT,AG-GT
 5586052,5587153,1102,EXACT,AG-GT
 5587601,5588632,1032,START:Ends:5589959-5590012-
 ID=NCLIV_059690 - 3 A..ATG
 5593283,5594066,784,END:Starts:5592253-5592456-
 5594413,5596856,2444,EXACT,AG-GT
 5597255,5598136,882,START:Ends:5598940-5597808-
 ID=NCLIV_059700 - 6 A..ATG
 5601490,5601765,276,END:Starts:5601417-5601430-5601413-
 5602755,5602854,100,EXACT,AG-GT
 5603040,5603146,107,EXACT,AG-GT
 5603306,5603369,64,EXACT,AG-GT
 5604125,5604219,95,EXACT,AG-GT
 5604631,5605518,888,START:Ends:5605960-5605949-5605962-
 ID=NCLIV_059720 - 5 A..ATG
 5611975,5612163,189,END:Starts:5610518-5611575-5608499-
 5612712,5612768,57,EXACT,AG-GT
 5613006,5613089,84,EXACT,AG-GT
 5613968,5614062,95,EXACT,AG-GT
 5614477,5615194,718,START:EXACT
 ID=NCLIV_059740 - 6 [CT]..ATG[ACT]
 5625380,5625904,525
 5626346,5626884,539,END: start -962 GT
 5627587,5627852,266,END: start -608 AG
 5628337,5628507,171,EXACT,AG-GT

5629018,5629122,105,EXACT,AG-GT
 5629677,5634622,4946,START:Ends:5630375-5631017-
 ID=NCLIV_059750 - 4 [CT]..ATG[ACT]
 5636215,5636373,159,END:Starts:5635929-5635939-5635909-
 5636878,5636924,47,EXACT,AG-GT
 5637117,5637413,297,EXACT,AG-GT
 5637818,5637896,79,START:Ends:5639174-5638812-5639116-
 ID=NCLIV_059770 - 1 A..ATG
 5644508,5646340,1833
 ID=NCLIV_059800 - 2 A..ATG
 5661398,5663027,1630,END:Starts:5660594-5660609-5660595-
 5663650,5663654,5,OVER:Ends:5666149-5665773-5664894-
 ID=NCLIV_059820 - 5 A..ATG
 5670690,5670760,71,END:Starts:5667280-5666462-
 5671263,5671332,70,EXACT,AG-GT
 5671777,5674903,3127,EXACT,AG-GT
 5675223,5678829,3607,EXACT,AG
 5679241,5682607,3367,START:Ends:5685154-5679625-
 ID=NCLIV_059840 - 10 A..ATG
 5688208,5688241,34
 5688302,5688428,127
 5688480,5688529,50
 5688584,5688743,160
 5688801,5688819,19
 5688879,5689040,162
 5689097,5689251,155
 5689307,5689454,148
 5689523,5689615,93
 5689670,5689771,102
 ID=NCLIV_059850 - 6 A..ATG
 5693283,5693487,205,END:Starts:5693015-5693085-5693046-
 5693806,5693893,88,EXACT,AG-GT
 5694504,5694639,136,EXACT,AG-GT
 5695222,5695354,133,EXACT,AG-GT
 5695864,5696538,675,EXACT,AG-GT
 5697236,5697540,305,START:Ends:5699793-5698007-5699818-
 ID=NCLIV_059880 - 22 A..ATG
 5721615,5724619,3005
 5725078,5725556,479
 5725938,5729291,3354
 5729743,5731925,2183
 5732345,5733226,882
 5733706,5735136,1431
 5735509,5735946,438
 5736496,5737222,727
 5737835,5738372,538
 5738698,5738744,47
 5739389,5739777,389
 5740515,5741247,733
 5741800,5742770,971
 5743449,5746021,2573
 5746584,5751451,4868
 5751825,5753946,2122
 5754424,5754758,335
 5755154,5756917,1764
 5757425,5758424,1000
 5758734,5759592,859
 5760127,5760363,237
 5760853,5761053,201
 ID=NCLIV_059900 - 12 G..ATGG

5769279,5769405,127
 5769530,5769711,182
 5769872,5770021,150
 5770193,5770261,69
 5770362,5770628,267
 5771048,5771194,147
 5771814,5771996,183
 5772111,5772307,197
 5772448,5772637,190
 5772869,5772959,91
 5773128,5773416,289
 5773827,5774250,424
 ID=NCLIV_059930 - 14 A..ATG
 5791616,5792125,510
 5792528,5792831,304
 5793261,5793853,593
 5794239,5794366,128
 5794737,5794848,112
 5795288,5796331,1044
 5796965,5797174,210
 5797755,5797910,156
 5798463,5798609,147
 5799404,5799631,228
 5800014,5800223,210
 5800787,5800969,183
 5801391,5801594,204
 5801991,5802224,234
 ID=NCLIV_059950 - 2 [CT]..ATG[ACT]
 5817669,5818681,1013,END:Starts:5815518-5815563-5815436-
 5819354,5820680,1327,START:Ends:5822131-5820601-
 ID=NCLIV_059980 - 1 A..ATG
 5866871,5867311,441
 ID=NCLIV_060000 - 1 A..ATG
 5879830,5881101,1272
 ID=NCLIV_060020 - 5 A..ATG
 5897077,5897433,357,END:Starts:5896658-5896708-5896547-
 5897778,5897866,89,EXACT,AG-GT
 5898263,5898352,90,EXACT,AG-GT
 5898689,5898824,136,EXACT,AG-GT
 5899793,5899807,15,START:Ends:5900165-5900166-5900308-
 ID=NCLIV_060030 - 8 GCGATGA
 5902276,5902509,234,END:Starts:5901638-5902196-5901627-
 5902820,5903116,297,EXACT,AG-GT
 5903264,5903388,125,EXACT,AG-GT
 5903502,5903747,246,EXACT,AG-GT
 5904196,5904322,127,START: end -15 GT
 5904763,5905011,249,END: start 37 AG (ref:AC-GT)<< Possible error
 5905747,5906283,537,END: start -204 AG-GT (ref:AC-GT)<< Possible error
 5907302,5907517,216,START:Ends:5907846-5907840-5907862-
 ID=NCLIV_060040 - 4 GAGATGA
 5911252,5911488,237,END:Starts:5909330-5910808-5910813-
 5911616,5911708,93,EXACT,AG-GT
 5911802,5911990,189,EXACT,AG-GT
 5912117,5913709,1593,START:Ends:5914252-5914221-5914257-
 ID=NCLIV_060050 - 8 TCGATGG
 5917214,5918740,1527
 5919026,5919654,629
 5920096,5920217,122,EXACT,AG
 5920789,5921109,321,EXACT,AG-GT
 5921493,5921665,173,START: end -1 GT

5922879,5924628,1750,START: end 2 GT
 5924968,5925718,751,EXACT,Info:AG-GC-AG-GT-
 5926378,5927749,1372,START:Ends:5928394-5928132-
 ID=NCLIV_060060 - 2 CAAATGG
 5931710,5933887,2178,END:Starts:5930193-5930208-5930215-
 5934314,5934508,195,START:Ends:5935076-5935057-5934461-
 ID=NCLIV_060070 - 2 [CT]..ATG[ACT]
 5937155,5937286,132,END:Starts:5936960-5936347-5936421-
 5937804,5938136,333,START:Ends:5939056-5939054-5939072-
 ID=NCLIV_060080 - 6 A..ATG
 5945216,5945356,141,END:EXACT
 5945625,5945750,126,EXACT,AG-GT
 5946323,5946565,243,EXACT,AG-GT
 5946857,5946967,111,EXACT,AG-GT
 5947124,5947453,330,START: end 1703 GT
 5947934,5948668,735,OVER:Ends:5947698-5949156-
 ID=NCLIV_060110 - 8 TTGATGG
 5957008,5959052,2045,OVER:Starts:5954517-5954412-
 5959637,5959685,49,START: end 143 GT
 5960254,5960309,56
 5960792,5960860,69
 5961086,5961128,43
 5961668,5961713,46,EXACT,AG
 5961979,5962040,62,EXACT,AG-GT
 5962379,5962696,318,START:Ends:5963573-5963602-
 ID=NCLIV_060170 - 1 A..ATG
 5999758,6001827,2070
 ID=NCLIV_060190 - 15 GAAATGA
 6014161,6014309,149,END:Starts:6004291-6004298-
 6014751,6014837,87,EXACT,AG-GT
 6015162,6015243,82,EXACT,AG-GT
 6015563,6015649,87,EXACT,GT
 6015917,6016059,143,EXACT,AG-GT
 6016174,6016261,88,START: end 178 GT
 6016754,6016930,177
 6017163,6017268,106
 6017552,6017875,324
 6018324,6018503,180,END: start -137 AG
 6019078,6019130,53,START: end 3231 GT
 6019424,6019470,47,OVER: start -346 and end 2891 GT
 6020298,6020446,149,OVER: start -1220 and end 1915 GT
 6020648,6020748,101,OVER: start -1570 and end 1613 GT
 6021099,6021185,87,OVER:Ends:6019589-6022361-
 ID=NCLIV_060200 - 4 GAGATGA
 6023810,6023971,162
 6024451,6024666,216
 6025107,6025195,89
 6026088,6026340,253
 ID=NCLIV_060230 - 1 [CT]..ATG[ACT]
 6046565,6050704,4140

CHROMOSOME XII – FORWARD

ID=NCLIV_060300 + 6 [CT]..ATG[ACT]
 25832,25863,32
 27325,27491,167,EXACT,AG-GT
 28164,28274,111,EXACT,AG-GT
 28518,29298,781,EXACT,AG-GT
 29785,29899,115,EXACT,AG-GT
 30309,30575,267,START:Ends:31581-31692-31799-

ID=NCLIV_060330 + 9 CAGATGG
 39700,40474,775
 41315,41398,84
 41653,41758,106
 41966,42169,204
 42546,42738,193
 42872,43018,147
 43276,43488,213
 44575,44825,251
 45074,45371,298
 ID=NCLIV_060350 + 5 [CT]..ATG[ACT]
 54577,57543,2967,END:Starts:57007-53970-53968-
 57907,58128,222,EXACT,AG-GT
 58773,59054,282,EXACT,AG-GT
 59227,59478,252,EXACT,AG-GT
 60027,60089,63,START:Ends:60396-60382-
 ID=NCLIV_060360 + 2 A..ATG
 62427,64366,1940,END:Starts:62879-62084-60027-
 64927,65164,238,START:Ends:65093-65401-65176-
 ID=NCLIV_060370 + 4 CGTATGG
 71042,71230,189
 71533,71619,87
 72167,72220,54,END: start -87 GT
 72701,72958,258,START:Ends:73478-74622-
 ID=NCLIV_060390 + 3 A..ATG
 84175,84336,162,END:Starts:83286-83265-
 84672,84851,180,EXACT,AG-GT
 85487,85822,336,START:Ends:86543-89520-90817-
 ID=NCLIV_060410 + 5 A..ATG
 93906,94050,145,END:Starts:92780-92809-93566-
 94489,94606,118,EXACT,AG-GT
 94870,94966,97,START: end -3 AG
 95326,95382,57,EXACT,AG-GT
 95942,97024,1083,START:Ends:97663-97803-
 ID=NCLIV_060420 + 5 A..ATG
 100454,100750,297,END:Starts:99910-99923-99908-
 101129,101345,217,EXACT,AG-GT
 102202,103773,1572,EXACT,AG-GT
 103949,104178,230,EXACT,AG-GT
 104511,104540,30,START:Ends:104993-105061-105012-
 ID=NCLIV_060430 + 3 A..ATG
 107329,108370,1042,END:Starts:106975-106956-107081-
 108942,109121,180,EXACT,AG-GT
 109397,110193,797,START:Ends:110869-110853-110855-
 ID=NCLIV_060450 + 7 GTCATGA
 121912,122322,411,END:EXACT
 122718,123482,765,START: end 504 AG-GT
 124236,124466,231,EXACT,AG-GT
 125128,125800,673,EXACT,AG-GT
 126372,126598,227,EXACT,AG-GT
 127098,128217,1120,START: end 731 AG-GT (ref:AG-GT)<< Possible error
 128492,128565,74,OVER:EXACT
 ID=NCLIV_060480 + 2 A..ATG
 150741,150863,123
 151104,151976,873
 ID=NCLIV_060490 + 2 TAAATGG
 153803,153889,87
 154108,154833,726
 ID=NCLIV_060510 + 6 [CT]..ATG[ACT]
 161634,161750,117

162339,163364,1026,EXACT,AG
 163877,163944,68,END: start -117 GT (ref:AG-GT)<< Possible error
 164433,164520,88,EXACT,ATG:AG-GT
 164687,164909,223,EXACT,AG-GT
 165343,165545,203,START:Ends:166556-166770-166885-
 ID=NCLIV_060540 + 2 CAGATGG
 199185,201128,1944
 201547,205740,4194
 ID=NCLIV_060570 + 2 A..ATG
 227243,227312,70,END:EXACT
 228036,229273,1238,START:Ends:229624-232248-229626-
 ID=NCLIV_060610 + 11 A..ATG
 248724,252722,3999
 252959,253059,101
 253437,253560,124
 254057,254272,216
 254467,254573,107
 254963,255068,106
 255543,255924,382,END: start -220 GT
 256485,257989,1505,END: start 1058 AG-GT (ref:AG-GT)<< Possible error
 258362,258527,166,EXACT,ATG:AG-GT
 258914,264616,5703,END: start 582 GT
 265130,265569,440,START:Ends:265950-267276-
 ID=NCLIV_060620 + 13 [CT]..ATG[ACT]
 268409,268643,235,OVER:Starts:268186-268174-
 268687,268953,267,END: start -513 GT
 269228,269335,108,EXACT,AG-GT
 269813,269973,161,EXACT,AG-GT
 270406,270517,112,EXACT,AG-GT
 270831,271027,197,WITHIN: start 60 and end -1 AG
 271440,271562,123
 271750,271876,127,END: start 28 GT
 272315,272483,169,EXACT,AG-GT
 272690,272837,148,EXACT,AG-GT
 273518,273764,247,EXACT,AG-GT
 274667,274767,101,EXACT,AG-GT
 275569,275832,264,START:Ends:276568-278147-
 ID=NCLIV_060640 + 10 [CT]..ATG[ACT]
 285175,285388,214,END:Starts:282951-282588-283995-
 285856,286120,265,EXACT,AG-GT
 286585,286822,238,EXACT,AG-GT
 287270,287441,172,EXACT,AG-GT
 287720,287993,274,EXACT,AG-GT
 288340,288542,203,EXACT,AG-GT
 288802,288998,197,START: end 774 AG-GT
 289515,289772,258,END: start -359 AG-GT
 290406,290649,244,EXACT,AG-GT
 290997,291085,89,START:Ends:292447-294801-
 ID=NCLIV_060670 + 13 [CT]..ATG[ACT]
 302610,302754,145
 303165,303269,105,OVER: start -508 and end 1269 GT
 303687,303805,119,OVER: start -1030 and end 733 GT
 304412,304538,127,END: start -1755 GT
 304921,305066,146,EXACT,AG-GT
 305789,305880,92,EXACT,AG-GT
 306146,306230,85,EXACT,AG-GT
 306751,306834,84,EXACT,AG-GT
 307598,307693,96,EXACT,AG-GT
 308484,308549,66,START: end -8 AG
 308912,309127,216

309776,309894,119
310291,310348,58
ID=NCLIV_060690 + 4 G..ATGG
319952,320254,303,END:Starts:319102-318667-319106-
320828,320960,133,EXACT,AG-GT
321637,321662,26,EXACT,AG-GT
322159,322239,81,START:EXACT
ID=NCLIV_060710 + 11 A..ATG
330326,333418,3093
333718,333801,84
334262,334405,144
335025,335103,79
335415,335522,108
336069,337025,957
337329,337663,335
337904,337954,51
338369,338461,93,EXACT,GT
338777,338873,97,EXACT,AG-GT
339002,339579,578,START:Ends:339333-339272-340589-
ID=NCLIV_060720 + 7 A..ATG
342958,343558,601,END:Starts:342431-342458-
343792,343904,113,EXACT,AG-GT
344479,345818,1340,END: start -144 GT (ref:AG-GT)<< Possible error
346269,347067,799,EXACT,AG-GT
347478,348194,717,EXACT,AG-GT
348644,348901,258,EXACT,AG-GT
349337,349390,54,START:Ends:356714-356712-350276-
ID=NCLIV_060770 + 4 [CT]..ATG[ACT]
384500,384764,265
385144,385739,596,END: start 27 GT
386354,386490,137,EXACT,AG-GT
387110,387377,268,START:Ends:388355-387642-387336-
ID=NCLIV_060780 + 6 G..ATGG
390619,391950,1332
392437,392528,92
392796,392910,115
393420,393490,71
393895,393988,94,END: start -124 GT (ref:AG-GT)<< Possible error
394347,394490,144,START:Ends:394863-394854-394849-
ID=NCLIV_060790 + 1 A..ATG
397241,397537,297
ID=NCLIV_060820 + 3 A..ATG
416513,416716,204,END:Starts:414368-414886-415519-
417123,418127,1005,EXACT,AG-GT
418503,418811,309,START:Ends:419668-420729-420817-
ID=NCLIV_060840 + 4 TCCATGG
430020,430702,683,END:EXACT
431035,431080,46,EXACT,AG-GT
431294,431463,170,EXACT,AG-GT
431877,432186,310,START:Ends:431890-432403-432478-
ID=NCLIV_060870 + 4 A..ATG
443577,443625,49
444167,444505,339
444760,445313,554
445514,445885,372
ID=NCLIV_060880 + 9 A..ATG
447931,448236,306,END:Starts:447637-447649-
449006,449424,419,START: end 65 AG
449777,449876,100
450475,450774,300

451056,451523,468,END: start -2 GT
 451923,454552,2630,EXACT,AG-GT
 455149,457624,2476,END: start -243 AG-GT
 458078,458578,501,EXACT,AG-GT
 458912,459028,117,START:Ends:459481-459812-460792-
 ID=NCLIV_060890 + 1 A..ATG
 463758,464492,735
 ID=NCLIV_060910 + 15 A..ATG
 481836,482109,274
 482978,483280,303
 483809,484170,362
 484380,484542,163
 484744,485028,285
 485373,485713,341
 485984,486231,248
 486441,486605,165
 487042,487158,117
 487405,487570,166
 488063,488232,170
 488609,488769,161
 488982,489151,170
 489411,489483,73,EXACT,AG-GT
 489743,489804,62,START:Ends:490556-490414-
 ID=NCLIV_060940 + 2 GCCATGA
 505823,509142,3320
 509662,510844,1183
 ID=NCLIV_060950 + 3 A..ATG
 513009,514575,1567
 514751,514858,108
 515149,515213,65
 ID=NCLIV_060980 + 11 A..ATG
 556141,556835,695,END:EXACT
 557141,557272,132,END: start 64 GT
 557624,557790,167,EXACT,AG-GT
 557977,558160,184,EXACT,AG-GT
 558687,558824,138,EXACT,AG-GT
 559495,561824,2330,EXACT,AG-GT
 562059,562129,71,EXACT,AG-GT
 562435,562762,328,EXACT,AG-GT
 563186,563318,133,EXACT,AG-GT
 563858,564485,628,EXACT,AG-GT
 564699,564980,282,START:Ends:565333-565248-565413-
 ID=NCLIV_060990 + 13 A..ATG
 567182,567526,345,END:Starts:566516-567023-567146-
 567890,567994,105,START: end -1 AG
 568673,569207,535,END: start 7 GT (ref:AG-GT)<< Possible error
 569789,569836,48,START: end -11 AG
 570311,570717,407,EXACT,GT
 571091,571246,156,EXACT,AG-GT
 571680,571805,126,EXACT,AG-GT
 572354,572720,367,EXACT,AG-GT
 573061,573273,213,EXACT,AG-GT
 573724,573944,221,EXACT,AG-GT
 574249,574340,92,EXACT,AG-GT
 574568,574677,110,EXACT,AG-GT
 575334,575365,32,START:Ends:576969-576441-576975-
 ID=NCLIV_061010 + 2 CAGATGG
 583995,584375,381
 584506,584793,288
 ID=NCLIV_061020 + 3 G..ATGG

760167,760584,418
760998,761114,117
761566,761761,196
762536,762725,190
763133,764117,985
764625,764720,96
765282,765388,107
765652,766821,1170
767246,771809,4564,END: start 3519 GT (ref:AG-GT)<< Possible error
772246,772617,372,EXACT,AG-GT
773025,773162,138,EXACT,AG-GT
773516,773603,88,EXACT,AG-GT
773859,773975,117,EXACT,AG-GT
774576,774925,350,START:Ends:775675-778071-
ID=NCLIV_061290 + 15 A..ATG
818413,819144,732
819665,819764,100,EXACT,GT
820073,820149,77,EXACT,AG-GT
820714,820848,135,EXACT,ATG:AG-GT
821422,821529,108,EXACT,AG-GT
822124,822201,78,EXACT,AG-GT
822745,823074,330,EXACT,AG-GT
823376,823485,110,EXACT,AG-GT
824154,824267,114,EXACT,AG-GT
824663,824930,268,EXACT,AG-GT
825157,825271,115,EXACT,AG-GT
825490,825756,267,EXACT,ATG:AG-GT
826193,826395,203,EXACT,AG-GT
826528,826577,50,EXACT,AG-GT
827060,827282,223,START:Ends:828105-827494-828093-
ID=NCLIV_061320 + 1 A..ATG
837864,838781,918,OVER:EXACT
ID=NCLIV_061340 + 3 A..ATG
852185,852308,124,END:Starts:850593-852105-852080-
852896,853140,245,EXACT,AG-GT
853666,853860,195,START:Ends:854288-854308-854289-
ID=NCLIV_061360 + 4 [CT]..ATG[ACT]
865231,865455,225,END:Starts:863774-862468-
865986,866182,197,EXACT,AG-GT
866611,866686,76,EXACT,AG-GT
866999,869656,2658,START:Ends:867180-867185-
ID=NCLIV_061390 + 8 A..ATG
878762,878919,158
879365,879432,68,END: start -76 GT (ref:AG-GT)<< Possible error
879848,879960,113,EXACT,AG-GT
880369,880442,74,EXACT,AG-GT
880798,880903,106,EXACT,AG-GT
881390,881434,45,EXACT,AG-GT
882001,882144,144,EXACT,AG-GT
882397,882636,240,START:Ends:884171-884054-884071-
ID=NCLIV_061440 + 2 A..ATG
936596,936862,267,END:Starts:936132-936059-
937992,938357,366,START:Ends:938814-938989-
ID=NCLIV_061460 + 10 A..ATG
948450,948611,162,END:Starts:946886-947862-947854-
949265,949420,156,EXACT,AG-GT
949942,950041,100,EXACT,AG-GT
950442,950527,86,EXACT,AG-GT
950864,950942,79,EXACT,AG-GT
951285,951357,73,START: end 2 AG

951840,951914,75,END: start 6 GT (ref:AG-GT)<< Possible error
952218,952309,92,EXACT,AG-GT
952563,952649,87,EXACT,AG-GT
952922,952944,23,START:Ends:953382-953499-953426-
ID=NCLIV_061480 + 1 G..ATGG
961986,965423,3438
ID=NCLIV_061490 + 4 A..ATG
968995,969051,57
969758,970400,643
970723,970982,260
971400,973277,1878
ID=NCLIV_061510 + 7 G..ATGG
980353,980706,354,OVER:Starts:978961-979009-
981423,981594,172,END: start -71 ATG:AG-GT (ref:AT-GT)<< Possible error
981777,981931,155,EXACT,AG-GT
982156,982204,49,EXACT,TAGITGAI TAA:AG-GT
982313,982499,187,EXACT,AG-GT
982714,982894,181,EXACT,AG-GT
983210,983416,207,START:Ends:983898-983809-984088-
ID=NCLIV_061520 + 1 A..ATG
984669,985073,405
ID=NCLIV_061540 + 13 TCAATGG
988513,989076,564
989518,989658,141
989964,990123,160
990551,990822,272
991023,991654,632
991906,992308,403
992632,992814,183
993107,993463,357
993932,994837,906
995275,995463,189
995931,996480,550
997044,997358,315
997709,999258,1550
ID=NCLIV_061560 + 3 A..ATG
1011003,1011107,105,END:Starts:1010099-1010066-1010730-
1011847,1011946,100,EXACT,AG-GT
1012710,1012948,239,START:Ends:1013596-1013565-1013449-
ID=NCLIV_061570 + 6 CGGATGG
1015609,1015724,116,END:Starts:1015409-1015406-1015410-
1016142,1016194,53,EXACT,AG-GT
1016397,1016450,54,EXACT,AG-GT
1016966,1017037,72,EXACT,AG-GT
1018393,1018500,108,EXACT,AG-GT
1019014,1019288,275,START:Ends:1019701-1019716-1019824-
ID=NCLIV_061590 + 10 G..ATGG
1030261,1030407,147,END:Starts:1029178-1029125-
1030951,1031036,86,EXACT,Info:AG-GC-AG-GT-
1031456,1031642,187
1032207,1032777,571,END: start -133 GT
1033326,1033516,191,EXACT,GT
1034092,1034227,136,EXACT,AG-GT
1034694,1035275,582,START: end 1547 AG-GT
1035867,1036822,956,END: start -1173 AG-GT
1037015,1037069,55,EXACT,GT
1037854,1037957,104,START:Ends:1038707-1038761-
ID=NCLIV_061620 + 4 A..ATG
1053401,1053568,168,END:Starts:1052530-1053505-
1054108,1054198,91,EXACT,AG-GT

1205569,1205654,86
 1205713,1205832,120
 1205893,1205926,34
 ID=NCLIV_061800 + 8 A..ATG
 1235256,1235928,673
 1236132,1236745,614
 1237132,1237342,211
 1237613,1237768,156
 1238065,1238471,407
 1238653,1238743,91
 1238882,1238969,88
 1239144,1239546,403
 ID=NCLIV_061810 + 1 A..ATG
 1241737,1244787,3051
 ID=NCLIV_061830 + 2 A..ATG
 1253669,1254257,589,END:EXACT
 1254690,1255036,347,START:Ends:1255427-1255429-1255431-
 ID=NCLIV_061880 + 1 [CT]..ATG[ACT]
 1294330,1294755,426
 ID=NCLIV_061910 + 40 TCAATGG
 1312887,1313058,172
 1313356,1313472,117
 1313706,1314095,390
 1314685,1314720,36
 1315276,1315599,324
 1316693,1316755,63
 1317873,1317990,118
 1318676,1318773,98
 1319592,1319828,237
 1321098,1321192,95
 1321632,1321833,202
 1322545,1322663,119
 1323428,1323584,157
 1323944,1323982,39
 1324632,1324723,92
 1325174,1325519,346
 1325832,1325864,33
 1326755,1326958,204
 1327611,1327634,24
 1328144,1328236,93
 1328739,1328837,99
 1329036,1329193,158
 1329768,1329989,222
 1330505,1331021,517
 1331365,1331397,33
 1331773,1331807,35
 1332821,1332959,139
 1333080,1333130,51
 1333390,1333557,168
 1333935,1334156,222
 1334555,1334678,124
 1335224,1335519,296
 1337100,1337159,60
 1338048,1338479,432,EXACT,AG-GT
 1338904,1339272,369,START: end -4 AG
 1339607,1339654,48,EXACT,GT
 1340028,1340218,191,EXACT,AG-GT
 1340896,1341010,115,EXACT,AG-GT
 1341243,1341440,198,END: start 66 AG-GT (ref:AG-GT)<< Possible error
 1342041,1342444,404,START:Ends:1346225-1346180-

ID=NCLIV_061940 + 9 A..ATG
1363801,1364270,470,END:Starts:1363129-1363153-1363127-
1364957,1365056,100,EXACT,AG-GT
1365784,1365971,188,EXACT,AG
1366414,1366562,149,END: start -291 GT (ref:AG-GT)<< Possible error
1366716,1366792,77,EXACT,AG-GT
1367320,1367389,70,EXACT,AG-GT
1367780,1367865,86,EXACT,AG-GT
1368178,1368288,111,END: start 39 AG-GT (ref:AG-GT)<< Possible error
1368540,1368737,198,START:Ends:1375836-1371602-1371619-
ID=NCLIV_061960 + 1 A..ATG
1373205,1373615,411
ID=NCLIV_062010 + 6 A..ATG
1400123,1400261,139,END:Starts:1398129-1398142-1398489-
1400564,1400707,144,EXACT,AG-GT
1401029,1401188,160,EXACT,AG-GT
1401615,1401748,134,EXACT,AG-GT
1402294,1402463,170,EXACT,AG-GT
1402711,1402866,156,START:Ends:1403131-1403133-1404802-
ID=NCLIV_062040 + 6 A..ATG
1423075,1423693,619
1424502,1424800,299
1425455,1425691,237
1426303,1427565,1263
1428016,1428167,152
1428821,1429280,460
ID=NCLIV_062100 + 3 G..ATGG
1487054,1489216,2163,END:Starts:1486414-1486267-1486451-
1489754,1489815,62,EXACT,AG-GT
1490115,1490301,187,START:Ends:1492373-1492326-
ID=NCLIV_062120 + 5 GAAATGA
1503655,1506453,2799
1506646,1507106,461
1507489,1507897,409,END: start -353 GT
1508389,1510223,1835,START: end -775 AG
1510505,1511408,904
ID=NCLIV_062160 + 8 A..ATG
1538179,1538290,112
1538939,1539120,182
1539592,1539697,106
1540110,1540277,168
1540744,1540809,66
1541098,1541312,215
1541658,1542123,466
1542609,1543765,1157
ID=NCLIV_062240 + 1 A..ATG
1590229,1595124,4896
ID=NCLIV_062250 + 7 GCAATGA
1597895,1600609,2715,END:Starts:1595850-1596454-1597505-
1601087,1601149,63,EXACT,AG-GT
1601835,1601954,120,EXACT,AG-GT
1602340,1602420,81,EXACT,AG-GT
1603014,1603161,148,EXACT,AG-GT
1603523,1603689,167,EXACT,AG-GT
1603943,1605400,1458,START:Ends:1606084-1606095-1606134-
ID=NCLIV_062260 + 13 A..ATG
1607153,1607230,78
1607285,1607400,116
1607453,1607495,43
1607554,1607608,55

1607665,1607711,47
1607769,1607780,12
1607846,1607891,46
1607948,1607982,35
1608034,1608046,13
1608103,1608153,51
1608206,1608335,130
1608394,1608412,19
1608466,1608477,12
ID=NCLIV_062280 + 4 A..ATG
1616143,1616596,454,END:Starts:1613214-1614997-1614993-
1616864,1616973,110,EXACT,AG-GT
1617237,1617441,205,EXACT,AG-GT
1617657,1617913,257,START:Ends:1618477-1620651-1618346-
ID=NCLIV_062300 + 5 CAAATGG
1622768,1622852,85,OVER:Starts:1623061-1621584-
1623061,1623117,57,END: start -1477 GT
1623240,1623287,48,EXACT,AG-GT
1623474,1623599,126,END: start -50 AG-GT (ref:AG-GT)<< Possible error
1624107,1624126,20,OVER:Ends:1631846-1630481-1631101-
ID=NCLIV_062320 + 5 A..ATG
1631581,1631846,266,END:EXACT
1632211,1632263,53,EXACT,AG-GT
1633018,1633068,51,EXACT,AG-GT
1633522,1633664,143,EXACT,AG-GT
1634033,1634098,66,START:EXACT
ID=NCLIV_062330 + 3 GAGATGC
1639187,1639262,76,END:EXACT
1639883,1640075,193,START: end -4 AG-GT (ref:AG-GT)<< Possible error
1640463,1640526,64,START:Ends:1640472-1642413-1643991-
ID=NCLIV_062350 + 2 A..ATG
1644351,1644517,167,END:Starts:1644140-1644164-1644147-
1645925,1646006,82,START:Ends:1646421-1646584-1646335-
ID=NCLIV_062370 + 3 A..ATG
1656031,1657311,1281,END:Starts:1655229-1655234-1656207-
1657995,1658159,165,START: end -4 AG
1658636,1658746,111,OVER:Ends:1659437-1659061-
ID=NCLIV_062380 + 16 A..ATG
1662059,1662211,153
1662788,1662857,70,END: start -2 GT
1663527,1663597,71,EXACT,AG-GT
1664130,1664228,99,EXACT,AG-GT
1664421,1664423,3
1665990,1666082,93,EXACT,AG-GT
1666904,1667057,154,EXACT,TAG|TGA|TAA:AG-GT
1667385,1667467,83,EXACT,AG-GT
1667887,1668012,126,EXACT,AG-GT
1668683,1668808,126,EXACT,AG-GT
1669112,1669248,137,EXACT,AG-GT
1669405,1669525,121,EXACT,AG-GT
1669668,1669761,94,EXACT,AG-GT
1670198,1670312,115,EXACT,AG-GT
1670893,1671107,215,EXACT,AG-GT
1671457,1671548,92,START:EXACT
ID=NCLIV_062410 + 3 A..ATG
1684339,1684509,171
1684944,1685177,234
1685874,1688459,2586
ID=NCLIV_062440 + 5 A..ATG
1699085,1699114,30

1699323,1699374,52
 1699920,1700033,114
 1700813,1700890,78
 1701161,1701258,98
 ID=NCLIV_062450 + 4 [CT]..ATG[ACT]
 1707732,1708527,796
 1709259,1709381,123
 1709820,1709976,157
 1711041,1711161,121
 ID=NCLIV_062490 + 1 CCAATGG
 1747310,1752424,5115
 ID=NCLIV_062510 + 10 A..ATG
 1762123,1762679,557,END:Starts:1761371-1761495-1761338-
 1764724,1764830,107,START: end -3 AG
 1765385,1765400,16
 1765681,1765705,25
 1766179,1766196,18
 1766870,1766881,12
 1768111,1768125,15
 1768917,1768928,12
 1769900,1769956,57
 1770440,1770550,111
 ID=NCLIV_062520 + 5 A..ATG
 1803153,1803650,498,END:Starts:1802572-1803366-
 1805017,1805294,278,START: end 782 Info:TAG|TGA|TAA:AG-GT-AG-GT-
 1805872,1806076,205,EXACT,AG-GT
 1806504,1806554,51,EXACT,AG-GT
 1807244,1807342,99,START:Ends:1807703-1807708-1807699-
 ID=NCLIV_062540 + 2 G..ATGG
 1817858,1821886,4029,END:Starts:1817060-1817073-1817102-
 1822535,1823239,705,START:Ends:1824000-1826160-1831349-
 ID=NCLIV_062570 + 9 A..ATG
 1856510,1856588,79,END:Starts:1856001-1855980-1856014-
 1857435,1857640,206,EXACT,AG-GT
 1858239,1858411,173,EXACT,AG-GT
 1858942,1859065,124,START: end 4 Stop Codon:AG-GT
 1859487,1859581,95
 1859930,1860004,75,END: start 21 GT (ref:AG-GT)<< Possible error
 1860509,1860723,215,EXACT,AG-GT
 1861234,1861441,208,EXACT,AG-GT
 1862066,1862282,217,START:Ends:1862883-1862943-1864858-
 ID=NCLIV_062600 + 2 A..ATG
 1887064,1892939,5876,END:Starts:1884932-1884311-1892566-
 1893425,1896863,3439,START:Ends:1897533-1894498-1897507-
 ID=NCLIV_062620 + 1 A..ATG
 1906381,1907634,1254
 ID=NCLIV_062660 + 13 A..ATG
 1930867,1931964,1098
 1934006,1934278,273
 1934522,1934608,87
 1935090,1935181,92
 1935812,1936124,313
 1936899,1937156,258
 1938837,1938903,67
 1939023,1939342,320
 1940056,1940463,408
 1941014,1944937,3924
 1945874,1946197,324
 1946664,1946818,155,EXACT,AG-GT
 1947331,1947418,88,OVER:Ends:1947827-1947906-1947877-

ID=NCLIV_062710 + 2 A..ATG
1983666,1983874,209,END:Starts:1983376-1983386-1983389-
1984661,1984856,196,START:Ends:1985084-1985174-1985098-

ID=NCLIV_062730 + 9 GAGATGT
1992535,1992636,102,END:Starts:1991508-1991653-1991746-
1993630,1993843,214,EXACT,AG-GT
1994014,1994168,155,EXACT,AG-GT
1994311,1994369,59,EXACT,AG-GT
1994777,1994882,106,EXACT,AG-GT
1995166,1995217,52,EXACT,AG-GT
1995674,1995725,52,EXACT,AG-GT
1996275,1996373,99,EXACT,AG-GT
1996785,1996941,157,START:Ends:1997314-1999871-2001566-

ID=NCLIV_062750 + 1 TGGATGG
2003166,2004668,1503

ID=NCLIV_062760 + 1 GCAATGA
2006736,2007635,900

ID=NCLIV_062770 + 1 A..ATG
2009832,2011880,2049

ID=NCLIV_062800 + 2 [CT]..ATG[ACT]
2049744,2050487,744
2050828,2050902,75

ID=NCLIV_062810 + 6 CTCATGG
2053478,2053989,512,END:Starts:2052799-2052777-2052829-
2054260,2054350,91,EXACT,AG-GT
2054578,2055440,863,EXACT,AG-GT
2055967,2057195,1229,EXACT,AG-GT
2057616,2058086,471,START: end 1409 AG
2058299,2063016,4718

ID=NCLIV_062830 + 9 A..ATG
2071972,2075975,4004,END:Starts:2075107-2075053-
2076446,2076488,43,EXACT,AG-GT
2077027,2077551,525,EXACT,AG-GT
2077775,2078144,370,EXACT,AG-GT
2078833,2078931,99,EXACT,AG-GT
2079198,2079537,340,EXACT,Info:donor=AA-AG-GC-AG-GT-
2080035,2080453,419,EXACT,GT
2080888,2081219,332,EXACT,AG-GT
2081564,2081614,51,START:Ends:2084550-2084076-2084067-

ID=NCLIV_062850 + 13 CACATGG
2095304,2096488,1185,END:Starts:2096045-2094426-
2096900,2097523,624,EXACT,Info:AG-GC-AG-GT-
2098040,2098920,881
2099338,2099382,45
2099760,2100312,553
2100509,2101397,889,EXACT,GT
2101773,2102336,564,START: end -1 AG
2103045,2103138,94
2103641,2103677,37
2104249,2104637,389,END: start -34 GT
2105227,2105362,136,EXACT,AG-GT
2106007,2106168,162,EXACT,Info:AG-GC-AG-GT-
2106666,2108366,1701

ID=NCLIV_062880 + 12 A..ATG
2120639,2121845,1207,END:Starts:2119278-2119348-2119862-
2122540,2122667,128,EXACT,AG-GT
2123311,2123394,84,EXACT,AG-GT
2123885,2123938,54,EXACT,AG-GT
2124516,2124834,319,EXACT,AG-GT
2125171,2125205,35,EXACT,AG-GT

2125503,2125548,46,EXACT,AG-GT
2125748,2125798,51,EXACT,AG-GT
2126082,2126158,77,EXACT,AG-GT
2126611,2126836,226,START: end 20 AG
2127516,2127611,96,END: start -53 AG-GT (ref:AG-GT)<< Possible error
2128013,2128107,95,START:EXACT
ID=NCLIV_062900 + 4 A..ATG
2135477,2135501,25,END:Starts:2134289-2134387-2134431-
2136168,2136240,73,EXACT,AG-GT
2136557,2136646,90,EXACT,AG-GT
2137158,2137191,34,START:Ends:2138411-2138408-2138404-
ID=NCLIV_062940 + 5 [CT]..ATG[ACT]
2155810,2156772,963
2157190,2157305,116
2157814,2158008,195
2158500,2158647,148
2158923,2159180,258
ID=NCLIV_062950 + 1 A..ATG
2161403,2161876,474
ID=NCLIV_062970 + 14 [CT]..ATG[ACT]
2175520,2178214,2695,END:EXACT
2178611,2178834,224,EXACT,AG-GT
2179350,2179568,219,EXACT,AG-GT
2180321,2181115,795,START: end -7 AG
2181477,2182108,632,END: start -2 GT (ref:AG-GT)<< Possible error
2182550,2182665,116,EXACT,ATG:AG-GT
2183424,2183695,272,EXACT,AG-GT
2184209,2184418,210,EXACT,AG-GT
2184847,2184993,147,EXACT,AG-GT
2185230,2187668,2439,EXACT,AG-GT
2188088,2188255,168,EXACT,ATG:AG-GT
2188604,2188759,156,EXACT,AG-GT
2189182,2189548,367,EXACT,AG-GT
2189954,2190147,194,START:Ends:2190574-2191731-2191692-
ID=NCLIV_062980 + 17 G..ATGG
2193480,2194173,694,END:Starts:2192654-2192525-
2194957,2195044,88,EXACT,AG-GT
2195534,2195596,63,EXACT,AG-GT
2195781,2195883,103,EXACT,AG-GT
2196373,2197086,714,EXACT,AG-GT
2197423,2198493,1071,EXACT,AG-GT
2198768,2198902,135,EXACT,AG-GT
2199276,2199431,156,EXACT,AG-GT
2200051,2200196,146,EXACT,AG
2200676,2201599,924,END: start -275 GT
2202276,2202355,80,EXACT,AG-GT
2202765,2202869,105,EXACT,AG-GT
2203406,2203544,139,EXACT,AG-GT
2204353,2204487,135,EXACT,AG-GT
2205087,2206139,1053,EXACT,AG-GT
2206833,2206997,165,START: end -6 AG
2207615,2208173,559
ID=NCLIV_063020 + 3 [CT]..ATG[ACT]
2249136,2249225,90,END:Starts:2249043-2247894-2247909-
2249955,2250056,102,EXACT,AG-GT
2250650,2250772,123,START:Ends:2250818-2250986-
ID=NCLIV_063040 + 7 G..ATGG
2259547,2260254,708,END:EXACT
2260487,2260555,69,EXACT,AG-GT
2261124,2261201,78,EXACT,AG-GT

2261979,2262092,114,EXACT,AG-GT
2262715,2262796,82,EXACT,AG-GT
2263233,2264478,1246,EXACT,AG-GT
2265025,2265121,97,START:Ends:2265372-2265403-
ID=NCLIV_063050 + 1 A..ATG
2267998,2270667,2670
ID=NCLIV_063060 + 18 A..ATG
2273674,2274183,510,END:Starts:2273803-2272630-
2274582,2275400,819,END: start 313 GT
2275818,2276051,234,EXACT,AG
2276497,2276639,143,EXACT,GT
2277204,2277312,109,EXACT,AG-GT
2277766,2278098,333,END: start 27 AG-GT
2278709,2278855,147,EXACT,AG-GT
2279430,2279504,75,START: end 134 AG
2280020,2280166,147,END: start 9 GT
2280561,2280799,239,EXACT,AG-GT
2281258,2281349,92,EXACT,AG-GT
2281683,2281804,122,EXACT,AG-GT
2282258,2282340,83,EXACT,AG-GT
2282832,2283369,538,EXACT,AG-GT
2283822,2284001,180,EXACT,AG-GT
2284340,2284501,162,START: end -27 AG-GC
2284965,2285190,226,EXACT,AG-GT
2285825,2286201,377,START:Ends:2286710-2286600-2286609-
ID=NCLIV_063080 + 3 GCGATGC
2294321,2297815,3495
2298541,2298720,180
2299406,2301829,2424
ID=NCLIV_063110 + 8 G..ATGG
2315520,2315934,415,END:Starts:2313250-2314094-2314150-
2316196,2316246,51,EXACT,AG-GT
2316761,2316871,111,EXACT,AG-GT
2317281,2317543,263,EXACT,ATG:AG-GT
2318162,2318447,286,END: start 136 AG-GT (ref:AG-GT)<< Possible error
2319131,2319240,110,EXACT,AG-GT
2319649,2319765,117,EXACT,ATG:AG-GT
2320157,2321698,1542,START:Ends:2322014-2322046-
ID=NCLIV_063120 + 3 A..ATG
2324579,2324841,263,END:Starts:2323888-2323894-2324116-
2325322,2325620,299,END: start -186 AG-GT (ref:AG-GT)<< Possible error
2325965,2326194,230,START:Ends:2326958-2326903-2326840-
ID=NCLIV_063150 + 2 A..ATG
2338793,2339567,775,END:Starts:2337988-2336438-2338077-
2340089,2340555,467,START:Ends:2341005-2341098-2341003-
ID=NCLIV_063170 + 4 A..ATG
2347658,2349196,1539,END:Starts:2345954-2347139-2346563-
2349557,2349707,151,EXACT,AG-GT
2350264,2351096,833,EXACT,AG-GT
2351726,2352097,372,START:Ends:2354249-2354253-2354254-
ID=NCLIV_063180 + 13 A..ATG
2357852,2358085,234,END:Starts:2356392-2357444-
2358569,2359179,611,EXACT,AG-GT
2359463,2359563,101,EXACT,AG-GT
2359820,2359881,62
2360465,2361331,867,EXACT,AG-GT
2361577,2363768,2192,START: end 868 AG-GT
2363847,2364636,790,END: start -2270 AG-GT
2364873,2365047,175,EXACT,AG-GT
2365295,2365422,128,END: start 66 AG-GT (ref:AG-GT)<< Possible error

2365835,2365937,103,EXACT,AG-GT
 2366451,2366659,209,EXACT,AG-GT
 2367055,2369760,2706,EXACT,AG-GT
 2370144,2370458,315,START:Ends:2377397-2374716-2377334-
 ID=NCLIV_063200 + 10 A..ATG
 2380712,2380946,235
 2381344,2381378,35
 2383047,2386541,3495
 2387048,2388161,1114
 2389044,2389608,565
 2390219,2392013,1795
 2392139,2393227,1089,EXACT,GT
 2394776,2396485,1710
 2397422,2397524,103
 2397647,2397798,152
 ID=NCLIV_063240 + 8 A..ATG
 2426704,2426839,136,END:Starts:2425127-2425121-2426053-
 2427272,2427669,398,EXACT,AG-GT
 2427984,2428466,483,EXACT,AG-GT
 2428817,2429014,198,EXACT,AG-GT
 2429347,2429712,366,EXACT,AG-GT
 2430148,2430246,99,EXACT,AG-GT
 2430607,2430767,161,EXACT,AG-GT
 2430969,2431137,169,START:Ends:2432797-2434436-
 ID=NCLIV_063260 + 3 A..ATG
 2440055,2441653,1599
 2442077,2442304,228,EXACT,AG-GT
 2442546,2442617,72,START:Starts:2445031-2442546-
 ID=NCLIV_063280 + 1 G..ATGG
 2453653,2454939,1287
 ID=NCLIV_063300 + 12 [CT]..ATG[ACT]
 2466217,2466224,8,END:Starts:2464560-2464656-2464551-
 2466812,2467174,363,EXACT,AG-GT
 2467472,2467705,234,EXACT,AG-GT
 2467880,2467940,61,EXACT,AG-GT
 2468038,2468241,204,EXACT,AG-GT
 2468561,2468652,92,EXACT,AG-GT
 2468926,2469024,99,EXACT,AG-GT
 2469777,2469905,129,EXACT,AG-GT
 2470447,2470558,112,EXACT,AG-GT
 2470833,2470994,162,EXACT,AG-GT
 2471413,2471573,161,EXACT,AG-GT
 2471822,2471942,121,START:Ends:2474778-2474799-
 ID=NCLIV_063320 + 1 GCGATGC
 2484850,2488335,3486
 ID=NCLIV_063330 + 6 A..ATG
 2490287,2490367,81
 2490695,2490829,135,END: start -15 GT (ref:AG-GT)<< Possible error
 2491211,2491399,189,END: start -1 AG-GT (ref:GC-GT)<< Possible error
 2491869,2492061,193,EXACT,AG-GT
 2492382,2492629,248,EXACT,AG-GT
 2493146,2493331,186,START:Ends:2493850-2493852-
 ID=NCLIV_063340 + 9 G..ATGG
 2496157,2496639,483,END:Starts:2495655-2495602-2495698-
 2497409,2497783,375,EXACT,AG-GT
 2498248,2498321,74,EXACT,AG-GT
 2498746,2498998,253,EXACT,AG-GT
 2499451,2499591,141,EXACT,AG-GT
 2499722,2499958,237,EXACT,AG-GT
 2500115,2500174,60,EXACT,AG-GT

2500403,2500591,189,EXACT,AG-GT
2500719,2500862,144,START:Ends:2500811-2500736-2500744-
ID=NCLIV_063350 + 3 A..ATG
2506445,2506535,91
2507385,2507485,101,END: start 14 GT (ref:AG-GT)<< Possible error
2508253,2508456,204,START:Ends:2508583-2508588-2508627-
ID=NCLIV_063370 + 7 A..ATG
2512710,2512881,172,END:Starts:2511989-2511990-2512041-
2513435,2513514,80,EXACT,AG-GT
2513745,2513856,112,EXACT,AG-GT
2514082,2514209,128,EXACT,AG-GT
2514667,2514834,168,EXACT,AG-GT
2515322,2515428,107,EXACT,AG-GT
2515788,2516187,400,START:Ends:2516486-2516554-2516528-
ID=NCLIV_063380 + 3 TACATGG
2517898,2518519,622,END:EXACT
2519248,2519863,616,EXACT,AG-GT
2520230,2520311,82,START:EXACT
ID=NCLIV_063390 + 2 G..ATGG
2524162,2529420,5259,END:Starts:2522422-2523737-2528503-
2529880,2530005,126,START:EXACT
ID=NCLIV_063410 + 3 A..ATG
2535878,2536298,421
2536597,2536775,179,EXACT,AG-GT
2537137,2537187,51,START:Ends:2537854-2538051-2538454-
ID=NCLIV_063430 + 6 GGAATGC
2547137,2547226,90
2547654,2547867,214
2548167,2548304,138
2548665,2548837,173
2549019,2550987,1969
2552859,2553193,335
ID=NCLIV_063460 + 3 A..ATG
2566826,2567063,238,END:EXACT
2567361,2567623,263,EXACT,AG-GT
2568112,2568720,609,START:Ends:2569321-2569354-2569303-
ID=NCLIV_063470 + 15 A..ATG
2572411,2573610,1200
2574084,2574261,178,EXACT,AG-GT
2575230,2575398,169,START: end 115 AG
2575696,2575741,46
2576107,2576256,150,EXACT,GT
2576650,2576714,65,EXACT,AG-GT
2577147,2577284,138,EXACT,AG-GT
2577979,2578033,55,START: end -25 AG
2578371,2578508,138
2578737,2578801,65
2579307,2579334,28
2579692,2579780,89,END: start -130 GT (ref:AG-GT)<< Possible error
2580491,2580644,154,EXACT,AG-GT
2581194,2581293,100,EXACT,AG-GT
2581497,2581747,251,START:Ends:2581918-2581984-2582193-
ID=NCLIV_063490 + 1 A..ATG
2587316,2588878,1563
ID=NCLIV_063500 + 4 G..ATGG
2591631,2591886,256,END:EXACT
2592276,2592347,72,EXACT,AG-GT
2592923,2593127,205,EXACT,AG-GT
2593421,2593937,517,START:Ends:2594340-2594346-2594634-
ID=NCLIV_063510 + 7 G..ATGG

2596408,2596935,528,END:Starts:2595556-2595587-
 2597529,2597822,294,EXACT,ATG:AG-GT
 2598157,2598325,169,EXACT,AG-GT
 2598822,2598972,151,EXACT,AG-GT
 2599409,2599574,166,EXACT,AG-GT
 2599761,2600052,292,EXACT,AG-GT
 2600699,2600898,200,START:Ends:2601881-2601851-2601873-
 ID=NCLIV_063530 + 15 GCAATGT
 2609814,2609828,15
 2610420,2610774,355
 2611239,2611375,137
 2611846,2611974,129
 2612671,2612802,132
 2613185,2613400,216
 2613829,2613988,160
 2614444,2614556,113
 2614996,2615082,87
 2615618,2615781,164
 2616432,2616518,87
 2617250,2617450,201
 2617880,2618033,154
 2618717,2618809,93
 2619205,2619441,237
 ID=NCLIV_063540 + 1 [CT]..ATG[ACT]
 2620313,2626429,6117
 ID=NCLIV_063550 + 3 A..ATG
 2632141,2633110,970,END:EXACT
 2633558,2633700,143,START: end 232 AG
 2634200,2634655,456
 ID=NCLIV_063570 + 16 A..ATG
 2643212,2643391,180,END:Starts:2635015-
 2644036,2644150,115,EXACT,AG-GT
 2644817,2645036,220,EXACT,AG-GT
 2645159,2645393,235,START: end 34 AG-GT
 2645588,2645649,62,EXACT,AG-GT
 2645931,2646274,344,START: end -91 AG-GT
 2646555,2646917,363,END: start 89 AG-GT
 2647406,2647686,281,EXACT,AG-GT
 2647979,2648192,214,EXACT,TAG/TGAI TAA:AG-GT
 2648560,2648631,72,EXACT,AG-GT
 2649104,2649164,61,EXACT,AG-GT
 2649585,2649669,85,EXACT,AG-GT
 2649964,2650045,82,EXACT,AG-GT
 2650596,2650750,155,EXACT,AG-GT
 2651136,2651184,49,EXACT,AG-GT
 2651548,2651708,161,START:Ends:2652144-2652250-2651574-
 ID=NCLIV_063590 + 8 A..ATG
 2655629,2655641,13,END:Starts:2655321-2655222-
 2656405,2656556,152,EXACT,AG-GT
 2656687,2656993,307,EXACT,AG-GT
 2657711,2657964,254,EXACT,AG-GT
 2658306,2658560,255,EXACT,AG-GT
 2658992,2659177,186,EXACT,AG-GT
 2659561,2659743,183,EXACT,AG-GT
 2660143,2660247,105,START:Ends:2665719-2665714-
 ID=NCLIV_063610 + 1 G..ATGG
 2663913,2665061,1149,OVER:Ends:2665719-2665714-
 ID=NCLIV_063630 + 4 GAAATGC
 2673347,2674237,891
 2674954,2675908,955,EXACT,AG-GT

2676272,2676429,158,EXACT,AG-GT
 2676888,2677154,267,START:Ends:2677601-2677762-2677740-
 ID=NCLIV_063660 + 7 G..ATGG
 2706259,2706887,629,END:Starts:2706069-2705206-2705210-
 2707336,2707381,46,EXACT,AG-GT
 2707954,2708513,560,EXACT,AG-GT
 2709165,2709219,55,EXACT,AG-GT
 2709826,2709905,80,START: end 3 AG
 2710567,2710784,218,END: start -53 GT (ref:AG-GT)<< Possible error
 2711194,2711372,179,START:Ends:2711644-2712222-2712398-
 ID=NCLIV_063670 + 4 A..ATG
 2725466,2727726,2261,END:Starts:2725014-2725084-2725422-
 2728141,2728228,88,EXACT,AG-GT
 2728593,2728690,98,EXACT,AG-GT
 2729181,2729412,232,START:Ends:2730849-2730882-2730920-
 ID=NCLIV_063680 + 1 [CT]..ATG[ACT]
 2732915,2734108,1194
 ID=NCLIV_063690 + 5 A..ATG
 2739417,2739662,246,END:Starts:2738561-2738691-2738621-
 2740120,2740377,258,EXACT,AG-GT
 2740547,2740614,68,START: end -39 AG
 2741193,2741364,172,END: start -238 GT
 2741971,2742003,33,START:Ends:2742488-2746851-
 ID=NCLIV_063700 + 1 A..ATG
 2747892,2748308,417
 ID=NCLIV_063720 + 12 CCAATGG
 2761362,2763591,2230
 2764051,2767274,3224,END: start 2610 GT (ref:AG-GT)<< Possible error
 2767713,2768822,1110,END: start 333 GT
 2769218,2769373,156,END: start 84 AG-GT
 2769508,2769603,96,START: end 185 AG
 2770049,2770186,138
 2770758,2770865,108,OVER: start -207 and end 1647 GT
 2771412,2771507,96,OVER: start -861 and end 1005 GT
 2771982,2772512,531,END: start -1431 GT
 2772926,2773003,78
 2773378,2773844,467
 2774274,2774388,115
 ID=NCLIV_063750 + 5 A..ATG
 2813797,2813799,3
 2814517,2814708,192
 2815255,2815341,87
 2815651,2815731,81
 2816089,2816235,147
 ID=NCLIV_063760 + 9 G..ATGG
 2818962,2819306,345,END:Starts:2818210-2818205-2818215-
 2819913,2820067,155,EXACT,AG-GT
 2820512,2820665,154,EXACT,AG-GT
 2821210,2821289,80,EXACT,AG-GT
 2821690,2821785,96,EXACT,AG-GT
 2822097,2822238,142,START: end 2 AG
 2822970,2823041,72,END: start -120 GT (ref:AG-GT)<< Possible error
 2823395,2823459,65,EXACT,AG-GT
 2823668,2823785,118,START:Ends:2824085-2824003-2824007-
 ID=NCLIV_063780 + 3 TTGATGG
 2834521,2834536,16
 2835296,2836450,1155
 2837048,2839926,2879
 ID=NCLIV_063800 + 3 A..ATG
 2854024,2855438,1415

2856117,2857896,1780
 2858381,2861551,3171
 ID=NCLIV_063820 + 2 [CT]..ATG[ACT]
 2878465,2878857,393
 2878914,2879120,207
 ID=NCLIV_063850 + 5 A..ATG
 2899942,2900139,198
 2900686,2900790,105
 2901307,2901402,96
 2901519,2901560,42
 2901731,2901883,153
 ID=NCLIV_063880 + 9 A..ATG
 2913602,2914814,1213,END:Starts:2912437-2912526-
 2915477,2915924,448,START: end -5 AG
 2916391,2916567,177,END: start -31 GT
 2917007,2917235,229,EXACT,AG-GT
 2917506,2917749,244,EXACT,AG-GT
 2918587,2918738,152,EXACT,AG-GT
 2919311,2919527,217,EXACT,AG-GT
 2921005,2921366,362,EXACT,AG-GT
 2922214,2923782,1569,START:Ends:2924467-2927603-
 ID=NCLIV_063910 + 21 A..ATG
 2949119,2949144,26,END:Starts:2948235-2948110-2948586-
 2949854,2950034,181,EXACT,AG-GT
 2950245,2950370,126,EXACT,AG-GT
 2950676,2950783,108,EXACT,AG-GT
 2950985,2951599,615,EXACT,ATG:AG-GT
 2952075,2952270,196,EXACT,AG-GT
 2952708,2952858,151,START: end 1733 AG-GT
 2953028,2953737,710,OVER: start -320 and end 854 AG-GT
 2953872,2954591,720,END: start -1164 AG-GT
 2955309,2955395,87,EXACT,AG-GT
 2955962,2956127,166,END: start 27 AG-GT
 2956611,2957093,483,START: end -8 AG
 2957248,2957362,115
 2957730,2958116,387,END: start 1 GT (ref:AG-GT)<< Possible error
 2958777,2958917,141,EXACT,AG-GT
 2959605,2959826,222,EXACT,AG-GT
 2960211,2960426,216,EXACT,AG-GT
 2960748,2960869,122,EXACT,AG-GT
 2961331,2961547,217,EXACT,AG-GT
 2961876,2962049,174,EXACT,AG
 2962375,2963046,672
 ID=NCLIV_063930 + 5 A..ATG
 2984940,2985213,274,END:Starts:2982058-2982057-2985043-
 2985642,2985790,149,EXACT,AG-GT
 2986238,2986457,220,EXACT,AG-GT
 2986791,2987031,241,EXACT,AG-GT
 2987415,2988276,862,START:Ends:2989981-2989983-2992758-
 ID=NCLIV_063950 + 12 [CT]..ATG[ACT]
 3005856,3005934,79,END:EXACT
 3006232,3006427,196,EXACT,AG-GT
 3007069,3007187,119,EXACT,AG-GT
 3007859,3007984,126,START: end 763 GT
 3008600,3008747,148,END: start -741 GT
 3009485,3009582,98,START: end -9 AG
 3010137,3010288,152,END: start 10 GT (ref:AG-GT)<< Possible error
 3010771,3010877,107,EXACT,AG-GT
 3011375,3011447,73,END: start -12 AG-GT (ref:AG-GT)<< Possible error
 3011730,3011904,175,EXACT,AG-GT

3556733,3556822,90,EXACT,AG-GT
3557260,3557425,166,EXACT,AG-GT
3557856,3558062,207,EXACT,AG-GT
3558596,3558693,98,START:Ends:3558839-3558846-3558801-
ID=NCLIV_064730 + 6 [CT]..ATG[ACT]
3568663,3568730,68
3569049,3569183,135
3569684,3569792,109
3570322,3570384,63
3570706,3570771,66
3571510,3571629,120
ID=NCLIV_064740 + 2 A..ATG
3574315,3574546,232
3574970,3580335,5366
ID=NCLIV_064750 + 3 TTCATGG
3583600,3585820,2221
3586293,3586472,180
3587047,3587147,101
ID=NCLIV_064770 + 1 A..ATG
3597839,3600790,2952
ID=NCLIV_064790 + 26 A..ATG
3608776,3609613,838,END:Starts:3607212-3607208-3607262-
3610146,3610387,242,START: end -2 AG
3611045,3611314,270,END: start 1 GT (ref:AG-GT)<< Possible error
3611997,3612269,273,EXACT,AG-GT
3612714,3612855,142,START: end -39 AG
3613480,3613755,276,END: start 10 GT (ref:AG-GT)<< Possible error
3614192,3614328,137,START: end -1 AG
3614623,3614835,213,EXACT,AG-GT
3615085,3615233,149,EXACT,AG-GT
3615617,3615842,226,EXACT,AG-GT
3616254,3616538,285,EXACT,AG-GT
3617004,3617053,50,EXACT,AG-GT
3617375,3617525,151,EXACT,AG-GT
3618003,3618117,115,EXACT,AG-GT
3618553,3618649,97,EXACT,AG-GT
3619225,3619301,77,EXACT,AG-GT
3619824,3620132,309,EXACT,AG-GT
3620399,3620616,218,EXACT,AG-GT
3621034,3621109,76,EXACT,AG-GT
3621610,3621680,71,EXACT,AG-GT
3622113,3622225,113,EXACT,AG-GT
3622449,3622530,82,EXACT,AG-GT
3623318,3623647,330,EXACT,AG-GT
3623956,3624090,135,EXACT,AG-GT
3624557,3624682,126,EXACT,AG-GT
3625282,3625578,297,START:Ends:3628315-3627113-3625636-
ID=NCLIV_064810 + 6 A..ATG
3634389,3634445,57,END:EXACT
3634973,3635186,214,START: end -60 ATG:AG-GT (ref:AG-GT)<< Possible error
3635548,3635826,279,START: end -3 AG
3636231,3637183,953,END: start -178 GT (ref:AG-GT)<< Possible error
3637715,3638176,462,EXACT,AG-GT
3639019,3639231,213,START:Ends:3640101-3640118-3639997-
ID=NCLIV_064830 + 5 G..ATGG
3655575,3655663,89,END:Starts:3652226-3652907-3654609-
3656681,3656762,82,EXACT,AG-GT
3657114,3657236,123,EXACT,AG-GT
3657699,3658010,312,EXACT,AG-GT
3658494,3658898,405,START:EXACT

ID=NCLIV_064840 + 3 CAGATGG
3662051,3662185,135,EXACT,ATG:AG-GT
3662725,3662895,171,EXACT,AG-GT
3663403,3663948,546,START:Ends:3664512-3664529-3664487-
ID=NCLIV_064850 + 6 GCCATGT
3667645,3668034,390,END:Starts:3667685-3667475-3666934-
3668363,3669537,1175,EXACT,AG-GT
3670290,3670491,202,END: start -72 AG-GT
3671023,3671270,248,EXACT,AG-GT
3671445,3671907,463,EXACT,AG-GT
3672499,3672639,141,START:EXACT
ID=NCLIV_064860 + 4 A..ATG
3679064,3682434,3371,WITHIN:Starts:3681434-3681176-
3682823,3683550,728,START: end -438 AG
3684128,3685266,1139
3685842,3689960,4119
ID=NCLIV_064900 + 3 A..ATG
3719712,3719731,20
3720097,3721391,1295
3721642,3721823,182
ID=NCLIV_064920 + 1 TCGATGG
3729434,3731560,2127
ID=NCLIV_064940 + 3 GCAATGC
3737652,3738258,607
3738651,3738773,123
3739229,3741108,1880
ID=NCLIV_064950 + 7 CAGATGG
3745836,3745933,98,EXACT,ATG:AG-GT
3746310,3746476,167,EXACT,AG-GT
3746790,3747381,592,EXACT,ATG:AG-GT
3747678,3747933,256,EXACT,AG-GT
3748382,3748464,83,EXACT,AG-GT
3748708,3748830,123,EXACT,AG-GT
3749117,3749315,199,START:Ends:3749173-3751220-3751223-
ID=NCLIV_064990 + 7 GGGATGA
3782365,3782690,326
3783273,3783450,178,END: start 12 GT (ref:AG-GT)<< Possible error
3783899,3784113,215,EXACT,AG-GT
3784693,3784855,163,EXACT,AG-GT
3785086,3785150,65,EXACT,AG-GT
3785753,3785843,91,EXACT,AG-GT
3786192,3786425,234,START:Ends:3786630-3787361-3787247-
ID=NCLIV_065000 + 5 G..ATGG
3791603,3792106,504,END:Starts:3790949-3790948-3790969-
3792561,3792657,97,EXACT,AG-GT
3793541,3793637,97,EXACT,AG-GT
3794201,3794289,89,EXACT,AG-GT
3794799,3795055,257,START:Ends:3796023-3795719-
ID=NCLIV_065020 + 5 A..ATG
3802879,3803364,486,END:Starts:3801782-3801888-
3803922,3804071,150,EXACT,AG-GT
3806680,3807225,546,START: end 12 AG-GC (ref:AG-GT)<< Possible error
3807541,3808080,540,EXACT,AG-GT
3808528,3808797,270,START:Ends:3808818-3808813-3809747-
ID=NCLIV_065070 + 7 A..ATG
3838801,3839000,200
3839419,3839560,142
3839764,3840088,325
3840274,3840446,173
3840617,3840716,100

4038647,4039047,401
4039604,4039832,229
4040337,4040615,279
4041110,4041125,16
4041443,4041561,119
4041924,4042123,200
4042458,4042637,180
4043286,4043355,70
4043755,4043851,97
4044528,4044640,113
ID=NCLIV_065360 + 8 A..ATG
4048110,4048116,7
4048593,4056686,8094
4056923,4057176,254
4057801,4057948,148
4058473,4058640,168
4058931,4060105,1175
4060222,4060499,278
4061260,4061329,70
ID=NCLIV_065380 + 14 A..ATG
4070742,4070754,13,END:Starts:4069452-4069441-
4070936,4071172,237,EXACT,TAG|TGA|TAA:AG-GT
4071350,4071507,158,START: end 109 AG
4071759,4071842,84,END: start 6 GT
4072205,4072280,76,EXACT,AG-GT
4072823,4072878,56,EXACT,AG-GT
4073343,4073713,371,END: start 96 AG-GT
4074194,4074344,151,START: end -46 AG
4074945,4075122,178
4075473,4075631,159
4076081,4076271,191,END: start 1 GT (ref:AG-GT)<< Possible error
4076818,4077042,225,EXACT,AG-GT
4077439,4077588,150,EXACT,AG-GT
4078408,4078806,399,START:Ends:4079368-4079408-
ID=NCLIV_065410 + 1 A..ATG
4090440,4091159,720
ID=NCLIV_065420 + 6 GACATGC
4096185,4098035,1851,END:Starts:4094608-4097236-
4098829,4098951,123,EXACT,AG-GT
4099827,4100737,911,END: start 18 GT (ref:AG-GT)<< Possible error
4101329,4101425,97,EXACT,AG-GT
4101712,4101861,150,EXACT,AG-GT
4102407,4102532,126,START:Ends:4102707-4102699-4102698-
ID=NCLIV_065450 + 3 A..ATG
4115643,4115710,68,END:Starts:4115537-4115518-4115514-
4116747,4116888,142,EXACT,AG-GT
4117315,4117443,129,START:EXACT
ID=NCLIV_065470 + 9 A..ATG
4136106,4136302,197,END:Starts:4136095-4135574-4135683-
4136729,4136880,152,EXACT,AG-GT
4137532,4137639,108,EXACT,AG-GT
4137960,4138164,205,END: start 72 AG-GT (ref:AG-GT)<< Possible error
4138438,4138588,151,EXACT,AG-GT
4138811,4138926,116,EXACT,AG-GT
4139242,4139435,194,EXACT,AG-GT
4139769,4139884,116,EXACT,AG-GT
4140461,4140598,138,START:Ends:4141294-4141296-4140497-
ID=NCLIV_065500 + 7 A..ATG
4154180,4154226,47
4154609,4154764,156,END: start -133 GT (ref:AG-GT)<< Possible error

4155106,4155160,55,EXACT,AG-GT
4155657,4155833,177,EXACT,AG-GT
4156231,4156414,184,EXACT,AG-GT
4156698,4156740,43,EXACT,ATG:AG-GT
4157116,4157389,274,START:Ends:4157131-4158354-4157230-
ID=NCLIV_065510 + 6 G..ATGG
4164907,4165266,360,END:EXACT
4165836,4166150,315,START: end -55 AG
4166846,4166935,90,END: start 15 GT (ref:AG-GT)<< Possible error
4167189,4167295,107,EXACT,AG-GT
4167535,4167625,91,EXACT,AG-GT
4168002,4168082,81,START:Ends:4169147-4170770-4171791-
ID=NCLIV_065560 + 12 G..ATGG
4196729,4196811,83,END:Starts:4195618-4194393-4195625-
4197081,4197387,307,EXACT,AG-GT
4197680,4197783,104,EXACT,AG-GT
4198056,4198215,160,EXACT,AG-GT
4198591,4198806,216,EXACT,AG-GT
4199126,4199186,61,EXACT,AG-GT
4199494,4199593,100,EXACT,AG-GT
4199858,4199974,117,EXACT,AG-GT
4200563,4200630,68,EXACT,AG-GT
4201650,4201805,156,EXACT,AG-GT
4202491,4202640,150,EXACT,AG-GT
4203135,4203292,158,START:Ends:4203582-4203570-4203225-
ID=NCLIV_065580 + 2 A..ATG
4213324,4214457,1134
4214860,4214994,135
ID=NCLIV_065590 + 17 A..ATG
4219665,4220264,600,END:Starts:4218611-4219167-4219158-
4220854,4221039,186,EXACT,AG-GT
4221516,4221620,105,START: end -1 AG
4221940,4221981,42
4222282,4222309,28
4222745,4222797,53,END: start -2 GT (ref:AG-GT)<< Possible error
4223247,4223389,143,EXACT,AG-GT
4223505,4223577,73,END: start -18 AG-GT (ref:AG-GT)<< Possible error
4223797,4223920,124,EXACT,AG-GT
4224205,4224341,137,EXACT,AG-GT
4224654,4224956,303,EXACT,AG-GT
4225520,4225746,227,EXACT,AG-GT
4226243,4226773,531,START: end 542 AG-GT (ref:AG-GT)<< Possible error
4227062,4227315,254,END: start -819 AG-GT (ref:AG-GT)<< Possible error
4227709,4228016,308,EXACT,AG-GT
4228630,4228712,83,EXACT,AG-GT
4228985,4229156,172,START:EXACT
ID=NCLIV_065630 + 9 [CT]..ATG[ACT]
4253113,4254090,978,OVER:Starts:4254486-4251930-
4254490,4254584,95,END: start -2560 GT
4254942,4255085,144,EXACT,AG-GT
4255354,4255603,250,EXACT,AG-GT
4256249,4256504,256,EXACT,AG-GT
4257002,4257068,67,EXACT,AG-GT
4257647,4257789,143,EXACT,AG-GT
4258439,4261111,2673,END: start -285 AG-GT (ref:AG-GT)<< Possible error
4261999,4262123,125,START:Ends:4262270-4264497-4264494-
ID=NCLIV_065650 + 1 A..ATG
4271380,4274958,3579
ID=NCLIV_065670 + 2 A..ATG
4287652,4287757,106,END:Starts:4286830-4286852-

4288097,4288989,893,START:Ends:4289657-4289574-
ID=NCLIV_065680 + 2 A..ATG
4289995,4290247,253
4290400,4290755,356
ID=NCLIV_065690 + 21 A..ATG
4293794,4293910,117,END:EXACT
4294881,4295018,138,EXACT,AG-GT
4295518,4295661,144,EXACT,AG-GT
4296222,4296837,616,EXACT,AG-GT
4297744,4297937,194,EXACT,AG-GT
4298208,4298259,52,EXACT,AG-GT
4298546,4298755,210,EXACT,AG-GT
4299138,4299241,104,EXACT,AG-GT
4299786,4299965,180,EXACT,AG-GT
4300715,4300913,199,EXACT,AG-GT
4301558,4301677,120,EXACT,AG-GT
4302103,4302268,166,EXACT,AG-GT
4303004,4303285,282,EXACT,AG-GT
4303761,4303845,85,EXACT,AG-GT
4304473,4304540,68,EXACT,AG-GT
4304955,4305070,116,EXACT,AG-GT
4305579,4305673,95,EXACT,AG-GT
4306238,4306422,185,EXACT,AG-GT
4307005,4307131,127,END: start -24 AG-GT
4307359,4307451,93,END: start -5 GT (ref:AG-GT)<< Possible error
4307787,4307849,63,START:Ends:4308229-4308420-4308277-
ID=NCLIV_065710 + 10 A..ATG
4323836,4325713,1878,END:Starts:4321936-4321899-4323244-
4326291,4326332,42
4326425,4328848,2424,EXACT,AG-GT
4329508,4329634,127,EXACT,AG-GT
4330036,4330122,87,EXACT,ATG:AG-GT
4330477,4330560,84,EXACT,TAG|TGA|TAA:AG-GT
4331091,4331235,145,EXACT,AG-GT
4331854,4331909,56,EXACT,AG-GT
4332277,4332441,165,EXACT,AG-GT
4332733,4333079,347,START:Ends:4333933-4333980-4332763-
ID=NCLIV_065720 + 5 GCAATGA
4341011,4341260,250
4341682,4341773,92
4342186,4342239,54
4342655,4344411,1757,END: start 495 GT
4344942,4345614,673,START:Ends:4345844-4347202-
ID=NCLIV_065740 + 1 A..ATG
4361784,4363700,1917,OVER:Starts:4359379-4360040-
ID=NCLIV_065750 + 7 A..ATG
4368454,4368467,14,END:EXACT
4369043,4369285,243,EXACT,AG-GT
4369759,4369874,116,EXACT,AG-GT
4370386,4370496,111,EXACT,ATG:AG-GT
4370988,4371086,99,EXACT,AG-GT
4371494,4371593,100,EXACT,ATG:AG-GT
4371852,4371945,94,START:Ends:4372459-4372750-
ID=NCLIV_065780 + 11 A..ATG
4394422,4394458,37,END:Starts:4394263-4393510-4393535-
4395215,4395327,113,EXACT,AG-GT
4395602,4396470,869,EXACT,AG-GT
4396753,4396923,171,EXACT,AG-GT
4397093,4397246,154,EXACT,AG-GT
4397347,4397455,109,EXACT,AG-GT

4397846,4397986,141,EXACT,AG-GT
 4398543,4398654,112,EXACT,AG-GT
 4399245,4399306,62,EXACT,AG-GT
 4399767,4399847,81,EXACT,AG-GT
 4400240,4400316,77,START:Ends:4401573-4401572-
 ID=NCLIV_065800 + 9 A..ATG
 4407442,4407468,27,END:EXACT
 4407908,4407961,54,START: end 21 AG-GC
 4408200,4408305,106,EXACT,AG-GT
 4408593,4408696,104,EXACT,AG-GT
 4409318,4409375,58,START: end 463 AG-GT (ref:AG-GT)<< Possible error
 4409683,4409838,156,END: start -365 AG-GT (ref:AG-GT)<< Possible error
 4410216,4410330,115,EXACT,AG-GT
 4410673,4410716,44,EXACT,Code:INTERNAL-
 4411306,4411334,29
 ID=NCLIV_065810 + 1 A..ATG
 4414322,4416301,1980
 ID=NCLIV_065820 + 5 A..ATG
 4420197,4420233,37
 4421567,4422474,908
 4422704,4422769,66,END: start 4 GT (ref:AG-GT)<< Possible error
 4423292,4423463,172,EXACT,Info:AG-GT-AG-GC-donor=CA-
 4423651,4423916,266
 ID=NCLIV_065830 + 7 A..ATG
 4428821,4428881,61,END:EXACT
 4429178,4429250,73,EXACT,AG-GT
 4429648,4429780,133,EXACT,AG-GT
 4430069,4430278,210,EXACT,AG-GT
 4431397,4431549,153,END: start -115 AG-GT (ref:AG-GT)<< Possible error
 4432100,4432198,99,EXACT,AG-GT
 4432637,4432774,138,START:Ends:4433940-4433958-4432690-
 ID=NCLIV_065840 + 2 A..ATG
 4436566,4437196,631,END:Starts:4435851-4435771-
 4437713,4439616,1904,START:Ends:4440460-4438289-4440715-
 ID=NCLIV_065870 + 3 A..ATG
 4458350,4458367,18,END:Starts:4457853-4458097-4457950-
 4459180,4459274,95,EXACT,AG-GT
 4459534,4459591,58,START:Ends:4459829-4459887-4459945-
 ID=NCLIV_065900 + 6 A..ATG
 4467775,4467963,189,END:EXACT
 4468231,4468399,169,EXACT,AG-GT
 4468567,4468633,67,EXACT,AG-GT
 4469120,4469193,74,EXACT,AG-GT
 4469902,4470074,173,EXACT,AG-GT
 4470565,4470636,72,START:Ends:4472254-4474133-4474136-
 ID=NCLIV_065920 + 6 G..ATGG
 4475179,4475376,198,END:Starts:4474345-4474269-4474247-
 4475780,4475906,127,EXACT,AG-GT
 4476378,4476475,98,EXACT,AG-GT
 4477256,4477377,122,EXACT,AG-GT
 4477997,4478057,61,START: end 3 AG
 4478382,4478483,102,OVER:Ends:4478983-4479205-
 ID=NCLIV_065940 + 30 A..ATG
 4483878,4485465,1588
 4485849,4486108,260
 4486497,4486722,226
 4487392,4487537,146
 4488047,4488879,833
 4490500,4490788,289
 4491286,4491439,154

4492040,4492162,123
4492443,4492704,262
4493400,4493484,85
4494409,4494618,210
4494900,4495079,180
4495573,4495785,213
4496330,4496521,192
4497015,4497184,170
4497530,4497723,194
4498693,4498951,259
4499008,4499141,134
4499605,4499799,195
4500113,4500513,401,EXACT,GT
4501094,4501270,177,EXACT,AG-GT
4501819,4501884,66,START: end -46 AG
4502273,4502499,227
4502619,4503251,633
4503754,4503946,193
4504776,4504964,189
4505779,4505998,220,EXACT,GT
4506533,4506674,142,EXACT,AG-GT
4507362,4507457,96,EXACT,TAG|TGA|TAA:AG-GT
4507955,4508105,151,START:Ends:4508632-4508644-4508643-
ID=NCLIV_065960 + 61 A..ATG
4524219,4524383,165
4524734,4524836,103
4525477,4525675,199
4525994,4526102,109
4526861,4527016,156
4528086,4528194,109
4528594,4528816,223
4529217,4529382,166
4529999,4530049,51
4530537,4530715,179
4531135,4531413,279
4531885,4531999,115
4532617,4532808,192
4533345,4533484,140
4533901,4534099,199
4534527,4534661,135
4535341,4535556,216,END: start 19 GT
4535780,4535893,114,EXACT,AG-GT
4536290,4536466,177,START: end 209 AG
4536859,4537002,144
4537833,4538042,210
4538559,4538668,110
4539106,4539443,338,EXACT,GT
4540268,4540551,284,EXACT,AG
4540970,4541276,307
4541868,4542064,197
4542384,4542596,213
4543140,4543688,549
4544165,4544443,279
4544945,4545341,397,END: start 185 GT
4545736,4546112,377,START: end 1030 AG
4546527,4546675,149,OVER: start -791 and end 467 AG
4548518,4548749,232
4549451,4549621,171
4550079,4550276,198
4550774,4551029,256

4551883,4552087,205,EXACT,GT
 4552640,4552823,184,EXACT,AG-GT
 4552997,4553353,357,EXACT,AG-GT
 4553677,4553889,213
 4554413,4554541,129
 4555112,4555414,303
 4555898,4556036,139
 4556797,4556943,147
 4557337,4557455,119
 4557876,4558080,205
 4558369,4558512,144
 4558972,4559245,274,END: start -5 GT
 4559926,4560058,133,START: end 231 AG (ref:AG-GT)<< Possible error
 4560116,4560289,174,END: start 37 GT (ref:AG-GT)<< Possible error
 4560736,4561005,270,EXACT,AG-GT
 4561766,4562012,247,EXACT,AG-GT
 4562481,4562637,157,START: end 84 AG
 4563493,4563703,211
 4564520,4564642,123,END: start -440 GT
 4564868,4564984,117,EXACT,AG-GT
 4565257,4565421,165,EXACT,AG-GT
 4565949,4566148,200,EXACT,AG-GT
 4566672,4566792,121,EXACT,AG
 4567190,4567342,153
 4567666,4567872,207
 ID=NCLIV_065970 + 2 A..ATG
 4570823,4571941,1119,END:Starts:4570353-4570348-4570357-
 4572052,4572093,42,START:Ends:4572566-4572642-4572613-
 ID=NCLIV_066000 + 1 TCCATGG
 4591371,4596338,4968
 ID=NCLIV_066020 + 1 A..ATG
 4606367,4607317,951
 ID=NCLIV_066040 + 9 A..ATG
 4612226,4612363,138,END:Starts:4611820-4611825-4611880-
 4612540,4612664,125,EXACT,AG-GT
 4612822,4612930,109,EXACT,AG-GT
 4613082,4613202,121,EXACT,AG-GT
 4613346,4613412,67,EXACT,AG-GT
 4613519,4613583,65,EXACT,AG-GT
 4613797,4613865,69,START: end 4 AG-GT
 4614002,4614054,53,END: start 8 GT (ref:AG-GT)<< Possible error
 4614148,4614234,87,START:Ends:4614685-4614692-4614196-
 ID=NCLIV_066080 + 5 A..ATG
 4632050,4632214,165,END:Starts:4631703-4631696-4631743-
 4632571,4632726,156,EXACT,AG-GT
 4632941,4633147,207,EXACT,AG-GT
 4633491,4633576,86,EXACT,AG-GT
 4634007,4634082,76,START:Ends:4634708-4634820-4634734-
 ID=NCLIV_066140 + 1 A..ATG
 4675803,4676777,975
 ID=NCLIV_066160 + 6 [CT]..ATG[ACT]
 4684292,4684675,384
 4685155,4685602,448
 4686073,4686134,62
 4686542,4686625,84
 4686833,4687052,220
 4687646,4688298,653
 ID=NCLIV_066165 + 5 GAAATGT
 4692888,4693149,262,END:EXACT
 4693668,4693999,332,EXACT,AG-GT

4694560,4695610,1051,EXACT,AG-GT
 4696343,4696558,216,END: start -72 AG-GT (ref:AG-GT)<< Possible error
 4696901,4696953,53,START:Ends:4698799-4699178-4698472-
 ID=NCLIV_066170 + 7 A..ATG
 4703037,4703519,483
 4704128,4704374,247
 4704926,4705230,305
 4705771,4705999,229
 4706555,4706883,329
 4707479,4707790,312
 4709942,4710064,123
 ID=NCLIV_066200 + 4 A..ATG
 4735900,4735933,34,END:Starts:4734953-4735753-4734845-
 4736413,4736470,58,EXACT,AG-GT
 4736889,4736963,75,EXACT,AG-GT
 4737417,4737495,79,START:EXACT
 ID=NCLIV_066230 + 7 A..ATG
 4772888,4775016,2129,END:Starts:4769376-4769963-4769944-
 4775329,4775412,84,EXACT,AG-GT
 4775648,4775961,314,EXACT,AG-GT
 4776380,4776560,181,START: end -105 AG-GC (ref:AG-GT)<< Possible error
 4777385,4782147,4763,EXACT,AG-GT
 4782574,4785052,2479,EXACT,AG-GT
 4785351,4785744,394,START:Ends:4786624-4786694-4786976-
 ID=NCLIV_066240 + 7 A..ATG
 4789820,4789913,94
 4790714,4793862,3149
 4794296,4794484,189
 4794706,4795677,972
 4795883,4795953,71
 4796298,4796492,195
 4796774,4796840,67
 ID=NCLIV_066250 + 1 A..ATG
 4799744,4800340,597
 ID=NCLIV_066270 + 7 A..ATG
 4808861,4809046,186
 4809503,4809591,89,END: start -3 GT (ref:AG-GT)<< Possible error
 4810081,4810201,121,EXACT,AG-GT
 4810642,4810781,140,EXACT,AG-GT
 4811027,4811185,159,EXACT,AG-GT
 4811538,4811573,36,EXACT,AG-GT
 4811798,4811870,73,START:Ends:4813048-4812973-4812963-
 ID=NCLIV_066300 + 3 A..ATG
 4835692,4839514,3823,END:Starts:4834386-4834355-4835002-
 4839647,4841041,1395,EXACT,AG-GT
 4841356,4842533,1178,START:Ends:4845406-4845487-4845427-
 ID=NCLIV_066330 + 9 CTGATGG
 4866014,4867366,1353,END:Starts:4865799-4867157-
 4867818,4868021,204,EXACT,AG-GT
 4868453,4868547,95,START: end 300 AG-GT
 4868734,4868847,114,END: start -281 AG-GT
 4869376,4869549,174,START: end 488 AG-GT
 4869959,4870037,79,END: start -583 AG-GT
 4870317,4870394,78,EXACT,GT
 4871008,4871413,406,EXACT,AG-GT
 4871803,4872794,992,START:Ends:4880885-4881002-
 ID=NCLIV_066360 + 3 A..ATG
 4890750,4892885,2136,END:EXACT
 4893279,4894109,831,EXACT,ATG:AG-GT
 4894425,4895420,996,START:Starts:4894425-

ID=NCLIV_066370 + 6 A..ATG
4899833,4900027,195,OVER:Starts:4894425-
4900293,4900478,186,END: start -5868 Code:INTERNAL-
4900949,4901062,114,EXACT,AG-GT
4901255,4901612,358,EXACT,AG-GT
4902519,4902779,261,EXACT,AG-GT
4903170,4903264,95

ID=NCLIV_066380 + 18 G..ATGG
4907800,4908054,255,END:EXACT
4908461,4908534,74,EXACT,AG-GT
4909288,4909480,193,EXACT,AG-GT
4909933,4910522,590,EXACT,AG-GT
4910931,4910972,42,EXACT,AG-GT
4911324,4911492,169,EXACT,AG-GT
4912402,4912535,134,EXACT,AG-GT
4913120,4913203,84,EXACT,AG-GT
4913815,4913911,97,EXACT,AG-GT
4914550,4914632,83,EXACT,AG-GT
4915035,4915089,55,EXACT,AG-GT
4915584,4915799,216,EXACT,AG-GT
4916204,4916308,105,EXACT,AG-GT
4916774,4916893,120,EXACT,AG-GT
4917869,4917913,45,EXACT,AG-GT
4918275,4918325,51,EXACT,AG-GT
4918720,4919238,519,START: end -220 AG-GT
4919502,4919582,81

ID=NCLIV_066430 + 5 A..ATG
4949734,4950330,597,END:Starts:4949378-4949387-4949415-
4950783,4950980,198,EXACT,AG-GT
4951699,4951812,114,EXACT,AG-GT
4952305,4952365,61,START: end 129 AG
4953029,4953180,152

ID=NCLIV_066440 + 1 A..ATG
4955676,4956233,558

ID=NCLIV_066480 + 1 TACATGG
4971509,4976092,4584

ID=NCLIV_066500 + 3 A..ATG
4987095,4988657,1563,END:Starts:4987233-4986621-4988148-
4989391,4989535,145,EXACT,AG-GT
4990019,4990182,164,START:Ends:4990647-4990597-4990630-

ID=NCLIV_066520 + 3 [CT]..ATG[ACT]
5010330,5010482,153
5010963,5011040,78
5011355,5011816,462

ID=NCLIV_066530 + 2 A..ATG
5016217,5017333,1117
5017844,5018934,1091

ID=NCLIV_066540 + 5 A..ATG
5020262,5020297,36
5020748,5020883,136,END: start 11 GT
5021171,5021341,171,EXACT,AG-GT
5021792,5021894,103,EXACT,AG-GT
5022176,5022191,16,START:Ends:5023449-5023035-5022993-

ID=NCLIV_066550 + 3 A..ATG
5024995,5026052,1058
5026377,5030532,4156
5030925,5032628,1704

ID=NCLIV_066570 + 3 A..ATG
5045401,5045531,131,END:Starts:5044269-5043983-5044311-
5046055,5046102,48,EXACT,AG-GT

5046287,5046383,97,START:Ends:5046871-5047131-5048960-
ID=NCLIV_066600 + 3 A..ATG
5062403,5062867,465,END:Starts:5061964-5061976-5061966-
5063465,5063845,381,START: end -49 AG
5064106,5064624,519
ID=NCLIV_066630 + 2 A..ATG
5079007,5079416,410,END:Starts:5078795-5078845-5078843-
5080157,5080703,547,START:Ends:5081095-5081137-5080198-
ID=NCLIV_066650 + 1 CTCATGG
5084797,5090205,5409
ID=NCLIV_066680 + 6 [CT]..ATG[ACT]
5109055,5109568,514,END:Starts:5108611-5108613-5108584-
5109859,5109961,103,EXACT,AG-GT
5110287,5110359,73,EXACT,AG-GT
5110595,5110715,121,EXACT,AG-GT
5111064,5111224,161,EXACT,AG-GT
5111970,5112209,240,START:Ends:5112435-5112429-5112372-
ID=NCLIV_066690 + 9 GAAATGT
5115621,5115711,91
5116391,5116850,460
5117101,5117829,729
5118039,5118386,348
5118960,5119128,169
5119488,5119647,160
5120019,5121895,1877,END: start 700 GT
5122250,5122372,123,EXACT,AG-GT
5122638,5122907,270,OVER:Ends:5123363-5123318-
ID=NCLIV_066710 + 6 GTCATGC
5128170,5129140,971,END:Starts:5127502-5126589-5127559-
5129793,5130551,759,EXACT,AG-GT
5131227,5131317,91,START: end 486 AG-GT (ref:AG-GT)<< Possible error
5131647,5131803,157,END: start -420 AG-GT (ref:AG-GT)<< Possible error
5132313,5132398,86,EXACT,AG-GT
5132913,5132996,84,START:Ends:5136058-5135748-5136070-
ID=NCLIV_066730 + 1 GCAATGA
5140875,5141891,1017
ID=NCLIV_066740 + 13 A..ATG
5144444,5146204,1761,END:Starts:5143471-5143453-5144604-
5146319,5146390,72,EXACT,AG-GT
5147014,5147178,165,EXACT,AG-GT
5147589,5147672,84,EXACT,AG-GT
5148214,5148287,74,EXACT,AG-GT
5148662,5148772,111,EXACT,AG-GT
5149264,5149301,38,EXACT,AG-GT
5149610,5149646,37,START: end 528 Info:TAG|TGA|TAA:AG-GT-TAG|TGA|TAA to
GT:acceptor=GC-AG-GT-
5149942,5150174,233,END: start -80 TAG|TGA|TAA:AG-GT
5150470,5150550,81,EXACT,AG-GT
5151126,5151226,101,EXACT,AG-GT
5151365,5151515,151,EXACT,AG-GT
5151786,5152048,263,START:Ends:5152619-5152536-5152617-
ID=NCLIV_066770 + 1 A..ATG
5162632,5164074,1443
ID=NCLIV_066780 + 1 A..ATG
5167872,5168852,981
ID=NCLIV_066790 + 14 [CT]..ATG[ACT]
5172908,5173001,94
5173357,5174083,727
5174346,5174454,109
5174785,5175030,246

5175336,5175638,303
5176043,5176505,463
5177173,5177570,398
5177914,5178024,111
5178357,5178501,145
5179031,5179218,188
5179563,5179775,213
5180276,5180368,93
5181830,5181957,128,END: start 51 GT
5182304,5183579,1276,START:Ends:5183992-5183963-
ID=NCLIV_066810 + 3 CCCATGG
5195401,5195674,274,END:Starts:5193644-5195389-5195014-
5196184,5196317,134,EXACT,AG-GT
5196829,5197080,252,START:Ends:5197233-5197327-5197444-
ID=NCLIV_066850 + 1 GAAATGA
5221372,5222337,966
ID=NCLIV_066890 + 3 A..ATG
5238799,5239690,892,END:Starts:5237824-5237828-5238018-
5240210,5240425,216,EXACT,AG-GT
5241423,5241766,344,START:Ends:5241548-5242228-5242223-
ID=NCLIV_066900 + 17 G..ATGG
5243940,5244183,244,END:Starts:5242745-5243233-5243476-
5244631,5244769,139,EXACT,AG-GT
5245322,5245499,178,EXACT,AG-GT
5246177,5246320,144,EXACT,AG-GT
5246725,5246847,123,EXACT,AG-GT
5247176,5247255,80,EXACT,AG-GT
5247464,5247974,511,EXACT,AG-GT
5248239,5248343,105,EXACT,AG-GT
5248635,5248933,299,EXACT,AG-GT
5249254,5249431,178,EXACT,AG-GT
5249824,5249947,124,EXACT,AG-GT
5250591,5250729,139,EXACT,AG-GT
5250872,5251080,209,EXACT,AG-GT
5251582,5251679,98,EXACT,AG-GT
5252217,5252324,108,EXACT,AG-GT
5252570,5252721,152,EXACT,AG-GT
5252991,5253267,277,START:Ends:5254747-5254566-5254658-
ID=NCLIV_066910 + 1 A..ATG
5264066,5264416,351
ID=NCLIV_066940 + 1 [CT]..ATG[ACT]
5286419,5286886,468
ID=NCLIV_066970 + 5 A..ATG
5300639,5300981,343,END:Starts:5300355-5300439-
5301427,5301656,230,EXACT,AG-GT
5302541,5302758,218,START: end -55 AG-GC (ref:AG-GT)<< Possible error
5303051,5303300,250,END: start 35 AG-GT (ref:AG-GT)<< Possible error
5303674,5303835,162,START:Ends:5304514-5304601-5304563-
ID=NCLIV_066980 + 1 A..ATG
5307048,5308019,972
ID=NCLIV_066990 + 7 A..ATG
5310332,5310471,140,END:Starts:5309192-5309226-5309244-
5310719,5311175,457,EXACT,AG-GT
5311658,5311754,97,EXACT,AG-GT
5312175,5312268,94,EXACT,AG-GT
5312748,5312869,122,EXACT,AG-GT
5313093,5313257,165,EXACT,AG-GT
5313420,5313493,74,START:Ends:5313765-5313793-5313798-
ID=NCLIV_067060 + 5 A..ATG
5342038,5342043,6,END:Starts:5341084-5341103-5341116-

5342620,5342661,42,EXACT,AG-GT
5343151,5343249,99,EXACT,ATG:AG-GT
5343668,5343779,112,EXACT,AG-GT
5344622,5344659,38,START:Ends:5345227-5345168-5345223-
ID=NCLIV_067070 + 14 G..ATGG
5347905,5348791,887,END:Starts:5346806-5346590-5346908-
5348939,5349070,132,EXACT,AG-GT
5349593,5351187,1595,EXACT,AG-GT
5351499,5351636,138,EXACT,AG-GT
5352280,5352434,155,EXACT,AG-GT
5354315,5354394,80,EXACT,AG-GT
5354801,5354990,190,END: start 78 AG-GT
5355584,5355668,85,EXACT,AG-GT
5356069,5356130,62,EXACT,AG-GT
5356592,5356722,131,EXACT,AG-GT
5357077,5357168,92,EXACT,AG-GT
5357501,5357632,132,EXACT,AG-GT
5358073,5358214,142,EXACT,AG-GT
5358536,5358635,100,START:Ends:5359348-5359429-5359224-
ID=NCLIV_067080 + 10 [CT]..ATG[ACT]
5364773,5364882,110
5365605,5365657,53
5366198,5366339,142
5366606,5366684,79
5367097,5367164,68
5367325,5367365,41
5367668,5367743,76
5367935,5367984,50
5368345,5368395,51
5368663,5368787,125
ID=NCLIV_067100 + 9 [CT]..ATG[ACT]
5376653,5377294,642
5378321,5378458,138
5378883,5378926,44
5379145,5379344,200
5379616,5379719,104
5380276,5380384,109
5380719,5380801,83
5381327,5381442,116
5381760,5381778,19
ID=NCLIV_067120 + 8 CCAATGG
5388849,5389647,799,END:Starts:5388157-5389143-
5390678,5391105,428
5391442,5391558,117
5391875,5392018,144
5392395,5392483,89
5392701,5392809,109
5393127,5393615,489
5394322,5395314,993
ID=NCLIV_067140 + 19 A..ATG
5403195,5403426,232,END:Starts:5401716-5401753-5402024-
5404330,5404514,185,EXACT,ATG:AG-GT
5404987,5405309,323,END: start -114 AG-GT (ref:AG-GT)<< Possible error
5405742,5405914,173,EXACT,AG-GT
5406330,5406699,370,EXACT,AG-GT
5407212,5407666,455,EXACT,AG-GT
5408306,5408984,679,EXACT,AG-GT
5409411,5409833,423,EXACT,AG-GT
5409962,5410203,242,EXACT,AG-GT
5410626,5410769,144,START: end 1091 AG-GC (ref:AG-GT)<< Possible error

5410892,5411869,978
5412458,5412993,536,EXACT,AG-GT
5413319,5413558,240,EXACT,AG-GT
5413881,5413972,92,EXACT,AG-GT
5414206,5414350,145,EXACT,AG-GT
5414590,5414748,159,EXACT,AG-GT
5415056,5415201,146,EXACT,AG-GT
5415772,5415931,160,EXACT,AG-GT
5416327,5416470,144,START:Ends:5418624-5417834-5419480-
ID=NCLIV_067160 + 6 A..ATG
5427653,5428182,530,END:Starts:5425697-5425690-5426985-
5428507,5428629,123,EXACT,AG-GT
5429562,5429760,199,START: end -2 AG
5430302,5430385,84,END: start -5 GT (ref:AG-GT)<< Possible error
5430908,5431018,111,EXACT,AG-GT
5431400,5431405,6,START:Ends:5433212-5433319-5433313-
ID=NCLIV_067170 + 3 CAGCCTA
5434838,5434970,133,END:Starts:5433786-5434030-5434586-
5435108,5436490,1383,EXACT,AG-GT
5436817,5436944,128,START:Ends:5437349-5437330-5437236-
ID=NCLIV_067180 + 18 G..ATGG
5441289,5441558,270,END:EXACT
5441842,5442002,161,EXACT,AG-GT
5442705,5442834,130,EXACT,AG-GT
5443047,5443222,176,EXACT,AG-GT
5443547,5443604,58,EXACT,AG-GT
5443974,5444035,62,EXACT,AG-GT
5444512,5444589,78,EXACT,AG-GT
5445208,5445374,167,EXACT,AG-GT
5445727,5445824,98,EXACT,AG-GT
5446188,5446271,84,EXACT,AG-GT
5446584,5446674,91,EXACT,AG-GT
5446870,5447004,135,EXACT,AG-GT
5447438,5447505,68,EXACT,AG-GT
5447880,5447978,99,EXACT,AG-GT
5448088,5448204,117,EXACT,AG-GT
5448656,5448749,94,EXACT,AG-GT
5449297,5449392,96,EXACT,AG-GT
5449731,5449933,203,START:Ends:5451936-5452021-5451845-
ID=NCLIV_067190 + 3 [CT]..ATG[ACT]
5455351,5458471,3121,OVER:Starts:5452930-5452564-
5459417,5459568,152,EXACT,AG-GT
5460040,5460288,249,START:EXACT
ID=NCLIV_067200 + 1 [CT]..ATG[ACT]
5462176,5462247,72
ID=NCLIV_067220 + 4 GAAATGA
5477899,5478087,189,END:Starts:5476850-5476854-5476856-
5478679,5478793,115,EXACT,AG-GT
5479477,5479584,108,EXACT,AG-GT
5479980,5480791,812,START:EXACT
ID=NCLIV_067250 + 1 [CT]..ATG[ACT]
5497885,5498691,807
ID=NCLIV_067270 + 5 A..ATG
5508483,5508827,345,OVER:Starts:5507909-5507694-5508906-
5510437,5510616,180,EXACT,AG-GT
5511050,5511280,231,EXACT,AG-GT
5511624,5511819,196,EXACT,AG-GT
5512705,5512817,113,START:Ends:5513230-5513261-5513201-
ID=NCLIV_067290 + 1 G..ATGG
5519815,5521272,1458

ID=NCLIV_067350 + 14 A..ATG
 5548592,5549161,570,END:Starts:5547878-5547816-
 5550234,5550510,277,EXACT,AG-GT
 5550973,5551502,530,EXACT,AG-GT
 5551982,5552329,348,EXACT,AG-GT
 5552801,5553005,205,EXACT,AG-GT
 5553416,5553669,254,EXACT,AG-GT
 5554014,5554256,243,EXACT,AG-GT
 5554536,5554807,272,EXACT,AG-GT
 5555168,5555609,442,EXACT,AG-GT
 5555868,5556065,198,EXACT,AG-GT
 5556662,5556761,100,EXACT,AG-GT
 5557067,5557371,305,EXACT,AG-GT
 5557917,5558159,243,EXACT,AG-GT
 5558389,5558427,39,START:Ends:5561038-5561448-5561063-
 ID=NCLIV_067390 + 2 A..ATG
 5587175,5587633,459
 5587695,5587751,57
 ID=NCLIV_067400 + 1 A..ATG
 5596017,5596676,660
 ID=NCLIV_067410 + 4 [CT]..ATG[ACT]
 5597234,5597617,384
 5597934,5599763,1830
 5600222,5601210,989,END: start 913 GT (ref:AG-GT)<< Possible error
 5601575,5601635,61,START:Ends:5602068-5602075-5602083-
 ID=NCLIV_067440 + 4 A..ATG
 5614015,5614107,93
 5614170,5614364,195
 5614417,5614484,68
 5614544,5614694,151
 ID=NCLIV_067470 + 4 A..ATG
 5631474,5631600,127,END:EXACT
 5632529,5632574,46,EXACT,AG-GT
 5632818,5632986,169,EXACT,AG-GT
 5633348,5633440,93,START:Ends:5633835-5633877-5633397-
 ID=NCLIV_067480 + 11 A..ATG
 5634839,5635010,172
 5638213,5638469,257
 5638828,5638919,92
 5639086,5639335,250
 5639658,5639881,224
 5640099,5640239,141
 5640724,5640844,121
 5641362,5641514,153
 5641926,5642161,236
 5642556,5642763,208
 5643153,5643437,285
 ID=NCLIV_067490 + 7 TGTATGG
 5650192,5650324,133,END:EXACT
 5650653,5650751,99,EXACT,AG-GT
 5650861,5651043,183,EXACT,AG-GT
 5651352,5651536,185,EXACT,AG-GT
 5651753,5651855,103,EXACT,AG-GT
 5652154,5652381,228,EXACT,TAG/TGA/TAA:AG-GT
 5652842,5652915,74,START:Ends:5653383-5652853-5653472-
 ID=NCLIV_067500 + 16 A..ATG
 5657072,5657297,226,END:EXACT
 5657524,5657753,230,EXACT,AG-GT
 5658283,5658489,207,START: end -23 AG
 5658873,5659052,180,END: start 17 GT

5659842,5659918,77,EXACT,AG-GT
5660759,5660854,96,END: start 12 GT
5661493,5661728,236,EXACT,AG-GT
5661830,5661907,78,EXACT,AG-GT
5662435,5662496,62,EXACT,AG-GT
5662966,5663320,355,START: end 1 AG
5664052,5664144,93,END: start 1 GT
5664481,5665094,614,EXACT,AG-GT
5665545,5665880,336,START: end -54 AG-GT
5666353,5666744,392,EXACT,AG-GT
5667317,5667720,404,EXACT,AG-GT
5668441,5668778,338,START:Ends:5669067-5669120-
ID=NCLIV_067520 + 7 CTCATGG
5675927,5676999,1073,END:Starts:5675687-5675704-5676951-
5677332,5677511,180,EXACT,AG-GT
5677887,5677979,93,EXACT,AG-GT
5678386,5678494,109,EXACT,AG-GT
5679005,5679159,155,EXACT,AG-GT
5679656,5679821,166,END: start -24 AG-GT (ref:AG-GT)<< Possible error
5680273,5680395,123,START:Ends:5682235-5682324-5682464-
ID=NCLIV_067540 + 3 A..ATG
5686237,5686639,403,END:EXACT
5687053,5687264,212,END: start 41 GT
5687487,5688317,831,START:Ends:5689379-5689368-
ID=NCLIV_067550 + 17 A..ATG
5691419,5692816,1398,END:Starts:5690350-5690349-
5692932,5694764,1833,EXACT,AG-GT
5694954,5695103,150,EXACT,AG-GT
5695647,5695991,345,START: end -3 AG
5696469,5696950,482,END: start -274 GT (ref:AG-GT)<< Possible error
5697466,5697542,77,EXACT,AG-GT
5698211,5698422,212,EXACT,AG-GT
5698896,5699015,120,EXACT,AG-GT
5699589,5699679,91,EXACT,AG-GT
5700142,5700269,128,START: end -7 AG
5700887,5701113,227,END: start -2 GT (ref:AG-GT)<< Possible error
5701496,5701690,195,EXACT,AG-GT
5702036,5702174,139,EXACT,AG-GT
5702551,5703276,726,EXACT,AG-GT
5703771,5703841,71,EXACT,AG-GT
5704272,5704350,79,EXACT,AG-GT
5704476,5706119,1644,START:Ends:5707026-5707107-5707170-
ID=NCLIV_067745 + 2 A..ATG
5765163,5765216,54,END:Starts:5765025-5765030-5765036-
5765957,5766097,141,START:Ends:5766334-5766298-5766284-
ID=NCLIV_067760 + 11 GAAATGA
5782192,5782225,34
5782534,5782601,68
5783181,5783305,125
5784569,5784606,38
5785363,5785432,70
5785955,5786080,126
5786653,5786752,100
5787015,5787191,177
5788050,5788202,153
5788453,5788579,127
5788800,5789416,617
ID=NCLIV_067770 + 3 A..ATG
5796290,5798707,2418
5799100,5799388,289

5799811,5801159,1349
ID=NCLIV_067790 + 4 [CT]..ATG[ACT]
5807983,5808516,534
5809039,5809197,159
5809647,5809778,132
5810107,5810271,165
ID=NCLIV_067830 + 7 A..ATG
5844361,5844454,94,END:Starts:5843740-5843722-5843804-
5844710,5844774,65,END: start 3 AG-GT (ref:AG-GT)<< Possible error
5845029,5845106,78,EXACT,AG-GT
5845357,5845450,94,EXACT,GT
5845544,5845632,89,EXACT,AG-GT
5846039,5846137,99,EXACT,AG-GT
5846399,5846683,285,START:Ends:5847107-5847092-5847059-
ID=NCLIV_067870 + 4 [CT]..ATG[ACT]
5862118,5862443,326
5862622,5863019,398
5863171,5863387,217
5863551,5864721,1171
ID=NCLIV_067890 + 1 A..ATG
5885044,5886162,1119
ID=NCLIV_067900 + 1 A..ATG
5887263,5888390,1128
ID=NCLIV_067910 + 1 A..ATG
5889452,5890480,1029
ID=NCLIV_067920 + 1 A..ATG
5891544,5892671,1128
ID=NCLIV_067930 + 1 A..ATG
5893733,5894851,1119
ID=NCLIV_067940 + 1 A..ATG
5895926,5897044,1119
ID=NCLIV_067950 + 1 A..ATG
5898131,5899249,1119
ID=NCLIV_067960 + 1 A..ATG
5900324,5901439,1116
ID=NCLIV_067990 + 4 A..ATG
5926535,5926641,107,END:EXACT
5927280,5927355,76,EXACT,AG-GT
5928074,5928178,105,EXACT,AG-GT
5928716,5929429,714,START:Ends:5930059-5929838-5930563-
ID=NCLIV_068000 + 5 [CT]..ATG[ACT]
5933343,5937191,3849
5937800,5937867,68,END: start -271 GT (ref:AG-GT)<< Possible error
5938274,5938348,75,EXACT,AG-GT
5938995,5939397,403,EXACT,AG-GT
5939958,5942228,2271,START:Ends:5943972-5943238-
ID=NCLIV_068030 + 1 A..ATG
5960328,5960639,312
ID=NCLIV_068050 + 1 A..ATG
5971802,5974750,2949
ID=NCLIV_068090 + 4 GAGATGA
6014281,6015893,1613,END:Starts:6013165-6013150-6013154-
6016599,6016826,228,EXACT,AG-GT
6017282,6017471,190,EXACT,AG-GT
6017853,6018140,288,START:Ends:6018044-6018077-6018030-
ID=NCLIV_068110 + 3 GGAATGC
6023132,6024622,1491,END:Starts:6021264-6021100-6023856-
6024835,6025100,266,EXACT,AG
6025608,6031452,5845
ID=NCLIV_068130 + 6 A..ATG

6037151,6037258,108,END:Starts:6036080-6033560-
6037877,6037897,21
6038426,6038578,153,END: start -65 GT (ref:AG-GT)<< Possible error
6039040,6039429,390,EXACT,AG-GT
6039849,6040683,835,EXACT,AG-GT
6041283,6041377,95,START:Ends:6041601-6041626-6042645-
ID=NCLIV_068150 + 10 CCCATGG
6051637,6051877,241,END:Starts:6048941-6051034-6051053-
6052548,6053113,566,EXACT,AG-GT
6053409,6053564,156,EXACT,AG-GT
6053745,6053850,106,EXACT,AG-GT
6054263,6054363,101,EXACT,AG-GT
6054655,6054852,198,START: end 4 AG-GT
6055108,6055257,150,EXACT,AG-GT
6055747,6056194,448,EXACT,AG-GT
6056696,6056807,112,EXACT,AG-GT
6057599,6057713,115,START:Ends:6059637-6059469-6059711-
ID=NCLIV_068170 + 1 TCCATGG
6067245,6070547,3303
ID=NCLIV_068210 + 12 TCGATGG
6107319,6107589,271,END:Starts:6106481-6106480-
6108122,6108207,86,EXACT,AG-GT
6108515,6108683,169,EXACT,AG-GT
6108954,6109112,159,EXACT,AG-GT
6109419,6109619,201,EXACT,AG-GT
6110068,6110202,135,EXACT,AG-GT
6110386,6110557,172,EXACT,AG-GT
6110951,6111049,99,EXACT,AG-GT
6111418,6111564,147,EXACT,AG-GT
6111981,6112131,151,EXACT,AG-GT
6112598,6112716,119,EXACT,AG-GT
6112986,6113175,190,START:Ends:6113242-6113289-6113154-
ID=NCLIV_068230 + 1 A..ATG
6124669,6127224,2556
ID=NCLIV_068260 + 5 [CT]..ATG[ACT]
6139526,6140476,951,END:Starts:6135384-6138758-6138747-
6141158,6141222,65,EXACT,AG-GT
6142086,6142204,119,EXACT,AG-GT
6142619,6142692,74,EXACT,AG-GT
6143329,6143478,150,START:Ends:6144206-6145251-6143396-
ID=NCLIV_068310 + 2 A..ATG
6167161,6167925,765
6168436,6174342,5907
ID=NCLIV_068320 + 2 GACATGA
6178959,6180273,1315
6180865,6182525,1661
ID=NCLIV_068340 + 2 [CT]..ATG[ACT]
6184126,6185840,1715
6186429,6188670,2242
ID=NCLIV_068360 + 6 [CT]..ATG[ACT]
6200650,6202168,1519
6202711,6203420,710
6204036,6204455,420
6205071,6205544,474
6206059,6206312,254
6206902,6208912,2011
ID=NCLIV_068380 + 8 A..ATG
6224867,6225013,147
6225321,6225754,434,END: start 2 GT
6226083,6226164,82,EXACT,AG-GT

6226396,6226634,239,EXACT,AG-GT
6226951,6227117,167
6227563,6227708,146
6228209,6228367,159,EXACT,AG-GT
6228627,6228722,96,START:Ends:6229548-6234737-
ID=NCLIV_068400 + 1 A..ATG
6239838,6241718,1881
ID=NCLIV_068420 + 2 GGAATGT
6253229,6253444,216
6254096,6255304,1209
ID=NCLIV_068430 + 3 A..ATG
6256196,6256312,117
6256608,6256688,81
6257067,6258149,1083
ID=NCLIV_068440 + 13 G..ATGG
6262285,6264645,2361
6265026,6265562,537
6266300,6270048,3749
6270880,6271530,651,WITHIN: start 17 and end -8 GT
6271986,6272187,202
6272626,6272769,144
6273361,6273485,125
6273959,6274074,116
6274523,6274608,86
6275030,6275119,90
6275534,6275614,81
6276213,6276611,399
6276964,6277032,69
ID=NCLIV_068460 + 3 G..ATGG
6285470,6286574,1105
6286980,6287039,60
6288582,6290398,1817
ID=NCLIV_068480 + 1 A..ATG
6303431,6304303,873
ID=NCLIV_068500 + 9 A..ATG
6310618,6310710,93
6311268,6311288,21
6311384,6311635,252
6312032,6312093,62
6313010,6313274,265,END: start 241 GT
6314145,6314249,105,OVER: start -486 and end 90 AG
6314504,6314617,114
6315006,6315078,73
6315466,6316343,878
ID=NCLIV_068530 + 16 A..ATG
6332441,6332488,48
6333256,6333402,147
6333932,6334033,102
6334559,6334879,321
6335442,6335522,81
6336143,6336207,65
6336675,6336735,61
6337207,6337268,62
6337811,6337895,85
6338342,6338440,99
6338898,6339085,188
6339642,6339792,151,END: start 18 GT
6340381,6340623,243,START: end 33 AG-GC
6341045,6341098,54,EXACT,AG
6341859,6341978,120,EXACT,AG-GT

6342223,6342771,549,START:Ends:6346933-6342965-6342924-
ID=NCLIV_068550 + 1 A..ATG
6356473,6361656,5184
ID=NCLIV_068570 + 5 [CT]..ATG[ACT]
6382928,6383226,299,END:Starts:6377094-6377793-6380987-
6383520,6383598,79,EXACT,AG-GT
6384218,6384302,85,EXACT,AG-GT
6384959,6385088,130,EXACT,AG-GT
6385669,6385795,127,START:Ends:6386422-6386034-6385755-
ID=NCLIV_068590 + 7 A..ATG
6396303,6396348,46
6397306,6397783,478
6398450,6398612,163
6398976,6399023,48
6399675,6399826,152
6400109,6400388,280
6400568,6400672,105
ID=NCLIV_068610 + 1 A..ATG
6411639,6413624,1986
ID=NCLIV_068620 + 2 G..ATGG
6416794,6416799,6,END:Starts:6416476-6416444-
6417426,6417626,201,START:Starts:6416469-6417426-
ID=NCLIV_068630 + 2 A..ATG
6421375,6421668,294
6422207,6422500,294
ID=NCLIV_068650 + 1 A..ATG
6436700,6437374,675
ID=NCLIV_068660 + 10 [CT]..ATG[ACT]
6440189,6440265,77
6441250,6441486,237
6442647,6442729,83
6443345,6443817,473
6444516,6445136,621
6445473,6445746,274
6446046,6446116,71
6446261,6446314,54
6446776,6446829,54
6447259,6447336,78
ID=NCLIV_068675 + 1 A..ATG
6459180,6459572,393,OVER:Ends:6459728-6459774-
ID=NCLIV_068690 + 1 A..ATG
6462235,6463923,1689

CHROMOSOME XII – REVERSE

ID=NCLIV_060290 - 2 GCAATGA
2479,2791,313,END:Starts:1-556-2-
3140,3270,131,START:EXACT
ID=NCLIV_060310 - 2 A..ATG
33109,33622,514
33678,33811,134
ID=NCLIV_060320 - 6 A..ATG
35659,35775,117,END:Starts:35472-35511-35481-
36090,36165,76,EXACT,AG-GT
36436,36644,209,EXACT,AG-GT
37245,37375,131
37639,37788,150
37952,38219,268
ID=NCLIV_060340 - 8 G..ATGG
46725,46863,139,END:Starts:46186-45147-46002-

47216,47388,173,EXACT,AG-GT
 47606,47680,75,EXACT,AG-GT
 48015,48120,106,EXACT,AG-GT
 48619,48699,81,EXACT,AG-GT
 49104,49341,238,EXACT,AG-GT
 49840,50511,672,EXACT,AG-GT
 50874,51069,196,START:Ends:51654-51657-
 ID=NCLIV_060380 - 11 A..ATG
 74436,74623,188,END:Starts:72675-74051-72674-
 75180,75333,154,EXACT,AG-GT
 75649,75773,125,EXACT,ATG:AG-GT
 76165,76291,127,EXACT,AG-GT
 77055,77119,65,EXACT,AG-GT
 77604,77660,57,EXACT,AG-GT
 77888,78044,157,START: end -2 GT
 78363,78422,60,END: start 13 AG
 78847,78954,108,EXACT,AG-GT
 79459,79533,75,EXACT,AG-GT
 79939,80070,132,OVER:EXACT
 ID=NCLIV_060400 - 3 A..ATG
 87913,88187,275,END:Starts:85383-87368-85426-
 88426,88597,172,EXACT,AG-GT
 89895,89957,63,START:Ends:90779-90773-90817-
 ID=NCLIV_060440 - 3 G..ATGG
 113720,113917,198,END:Starts:111940-111878-111910-
 114545,115376,832,EXACT,AG-GT
 116480,116679,200,START:Ends:118126-117821-117840-
 ID=NCLIV_060460 - 2 A..ATG
 131043,131363,321
 131642,134506,2865
 ID=NCLIV_060470 - 14 GAAATGC
 137678,137740,63,END:Starts:136711-136645-136728-
 138144,138308,165,EXACT,AG-GT
 139454,139627,174,END: start -83 AG-GT (ref:AC-GT)<< Possible error
 140108,140230,123,EXACT,AG-GT
 140984,141145,162,EXACT,AG-GT
 141663,141894,232,END: start 36 ATG:AG-GC
 142354,142497,144
 142782,142922,141,EXACT,AG-GT
 143470,143611,142,EXACT,AG-GT
 144245,144375,131,EXACT,AG-GT
 144945,145133,189,EXACT,AG-GT
 145583,145656,74,EXACT,AG-GT
 146319,146510,192,EXACT,AG-GT
 147254,147337,84,START:Ends:148303-148090-148135-
 ID=NCLIV_060500 - 4 A..ATG
 156011,156588,578,END:Starts:153005-154482-153021-
 156893,157204,312,EXACT,AG-GT
 157654,157905,252,EXACT,ATG:AG-GT
 158403,158913,511,START:Ends:158843-160919-164112-
 ID=NCLIV_060520 - 6 A..ATG
 178295,180096,1802,OVER:Starts:177775-180354-
 180354,180662,309,END: start -2579 AG
 181116,181331,216,END: start -4 AG
 181812,182019,208,EXACT,AG-GT
 182264,182835,572,EXACT,AG-GT
 183058,183529,472,START:Ends:184169-183248-
 ID=NCLIV_060530 - 10 TCCATGG
 187762,187851,90,END:Starts:185537-185383-
 188088,189021,934

190117,190209,93
190865,190927,63
191772,191859,88
192254,192380,127
193037,193096,60
193589,193800,212
194056,194130,75,END: start 4 AG
194415,196005,1591,START:Ends:197068-195529-
ID=NCLIV_060550 - 5 A..ATG
210473,210680,208,END:Starts:210418-210378-210405-
211051,211253,203,EXACT,AG-GT
211714,211876,163,START: end 20 AG-GT
212840,212917,78,EXACT,AG-GT
213430,215519,2090,START:Ends:217251-215678-
ID=NCLIV_060560 - 6 A..ATG
219361,219438,78,END:Starts:216069-217638-217618-
219796,220040,245,EXACT,AG-GT
220415,220746,332,EXACT,AG-GT
220954,221117,164,EXACT,AG-GT
221859,221936,78,EXACT,AG-GT
222259,222663,405,START:Ends:223772-223736-225526-
ID=NCLIV_060580 - 3 A..ATG
231701,232258,558,END:Starts:229682-230215-231866-
233003,233037,35,EXACT,AG-GT
233553,233688,136,START:Ends:233794-233758-233804-
ID=NCLIV_060590 - 4 A..ATG
236176,236430,255
236558,236665,108
237025,237228,204
237582,237794,213
ID=NCLIV_060600 - 9 A..ATG
240802,241075,274,END:Starts:240522-240499-240576-
241693,241783,91,EXACT,AG-GT
242023,242151,129,EXACT,AG-GT
242307,242531,225,EXACT,AG-GT
243187,243331,145,EXACT,AG-GT
243686,243971,286,EXACT,AG-GT
244282,244418,137,EXACT,AG-GT
244768,244812,45,EXACT,AG-GT
245276,245461,186,START:Ends:245706-245716-245822-
ID=NCLIV_060630 - 9 G..ATGG
278084,278146,63,END:Starts:277080-275776-
278609,278812,204,EXACT,AG-GT
279131,279271,141,EXACT,AG-GT
279574,279653,80,EXACT,AG-GT
280080,280218,139,EXACT,AG-GT
280873,281173,301,EXACT,AG-GT
281770,281952,183,EXACT,AG-GT
282263,282371,109,EXACT,AG-GT
282950,283016,67,START:Ends:285556-283856-
ID=NCLIV_060650 - 1 G..ATGG
293428,297054,3627
ID=NCLIV_060660 - 1 A..ATG
299423,300496,1074
ID=NCLIV_060680 - 8 A..ATG
311681,311749,69,END:Starts:311263-311280-311254-
312297,312727,431,EXACT,AG-GT
313572,313674,103,EXACT,AG-GT
313967,314079,113,EXACT,AG-GT
314562,314771,210,EXACT,AG-GT

315222,315591,370,EXACT,AG-GT
315985,316158,174,EXACT,AG-GT
316694,316951,258,START:EXACT
ID=NCLIV_060700 - 1 A..ATG
324194,325249,1056
ID=NCLIV_060730 - 1 [CT]..ATG[ACT]
353272,354921,1650,OVER:Starts:356425-350961-
ID=NCLIV_060740 - 1 NNNGCAA
356428,356760,333
ID=NCLIV_060741 - 1 CAGATGG
356861,358020,1160,START:Ends:360938-358218-
ID=NCLIV_060750 - 16 CCAATGG
360302,360559,258,END:Ends:360938-358218-
360701,360809,109,EXACT,AG-GT
361176,361533,358,EXACT,AG-GT
361795,361917,123,EXACT,ATG:AG-GT
362404,362551,148,EXACT,AG-GT
362929,363114,186,EXACT,AG-GT
363334,363440,107,EXACT,AG-GT
363671,363729,59,EXACT,AG-GT
363932,364075,144,EXACT,TAG|TGA|TAA:AG-GT
364325,364410,86,EXACT,AG-GT
364920,365027,108,EXACT,AG-GT
365434,365602,169,EXACT,AG-GT
365911,366179,269,EXACT,AG-GT
366549,366711,163,START: end -10 GT
367045,367164,120,END: start 3 AG
368321,368658,338
ID=NCLIV_060760 - 13 A..ATG
373237,373389,153
374002,374367,366,END: start 41 AG (ref:AC-GT)<< Possible error
374732,374821,90,EXACT,AG-GT
375602,375759,158,END: start 62 AG-GT (ref:AC-GT)<< Possible error
376180,376240,61,START: end 1 GT
376499,376625,127,EXACT,AG-GT
377410,377538,129,EXACT,AG-GT
377882,378084,203,START: end -9 GT
378984,379135,152,END: start -1 AG (ref:AC-GT)<< Possible error
379591,379754,164,EXACT,AG-GT
380501,380640,140,EXACT,AG-GT
381017,381145,129,EXACT,AG-GT
381460,381558,99,START:EXACT
ID=NCLIV_060800 - 1 A..ATG
400365,401972,1608
ID=NCLIV_060810 - 6 GAGATGC
407614,407780,167
408409,409561,1153
409964,410042,79,END: start 4 AG (ref:AC-GT)<< Possible error
410427,410864,438,START: end 350 AG-GT (ref:AC-GT)<< Possible error
411765,411876,112,EXACT,AG-GT
412350,413214,865,START:Ends:414149-413958-414246-
ID=NCLIV_060830 - 13 A..ATG
420690,420743,54,END:Starts:418529-420073-417114-
421469,421561,93,EXACT,AG-GT
422049,422105,57,EXACT,AG-GT
422795,422889,95,EXACT,AG-GT
422977,423061,85,EXACT,AG-GT
424234,424362,129,EXACT,AG-GT
424585,424658,74,EXACT,AG-GT
425167,425231,65,EXACT,AG-GT

425641,425741,101,EXACT,AG-GT
426358,426609,252,EXACT,AG-GT
426838,426954,117,EXACT,AG-GT
427331,428092,762,EXACT,AG-GT
428554,428640,87,START:Ends:429565-429415-429570-
ID=NCLIV_060850 - 6 A..ATG
433778,433855,78,END:Starts:433225-432984-433535-
434488,434615,128,EXACT,AG-GT
435042,435112,71,EXACT,AG-GT
435274,435376,103,EXACT,AG-GT
435761,435864,104,EXACT,AG-GT
436882,437063,182,START:Ends:437471-437109-437473-
ID=NCLIV_060860 - 2 A..ATG
439101,439345,245,END:Starts:438937-438933-438927-
440156,440258,103,START:Ends:440413-440408-440415-
ID=NCLIV_060900 - 13 A..ATG
466532,466568,37
466959,467083,125,END: start 13 AG (ref:AC-GT)<< Possible error
467566,467702,137,EXACT,AG-GT
468224,468860,637,EXACT,GT
469100,469327,228,EXACT,AG-GT
469558,469875,318,EXACT,AG-GT
470164,470246,83,EXACT,AG-GT
470583,470643,61,START: end 2904 AG-GT
470923,473547,2625,END: start -340 AG-GT
474264,474647,384,EXACT,AG-GT
474944,475417,474,EXACT,GT
475825,476356,532
476938,477113,176
ID=NCLIV_060920 - 3 A..ATG
493261,493381,121,END:Starts:493046-492497-492471-
493856,493912,57,EXACT,AG-GT
494256,494290,35,START:Ends:494299-494413-494608-
ID=NCLIV_060930 - 10 TTGATGG
496804,496908,105
497405,498112,708,END: start -27 AG
498248,498601,354,START: end 135 GT
499390,499464,75
500012,500061,50
500455,500508,54
501012,501063,52
501600,501692,93
502309,502383,75,END: start 25 AG (ref:AC-GT)<< Possible error
502817,503074,258,OVER:EXACT
ID=NCLIV_060960 - 4 [CT]..ATG[ACT]
517246,530751,13506
531217,531473,257
531762,532108,347
532831,532907,77
ID=NCLIV_060970 - 19 A..ATG
535789,535836,48
537008,537100,93
538100,538257,158
538584,538737,154
539102,539187,86
540084,540919,836
541218,541501,284
542142,542248,107
543666,544042,377
544249,544279,31

544806,545012,207
545582,545925,344
546107,546924,818
547302,547398,97
547806,548076,271
548669,548814,146
549074,549177,104
549580,550044,465
550574,551008,435
ID=NCLIV_061000 - 7 A..ATG
576318,576602,285,END:Starts:575342-575239-575335-
577373,577452,80,EXACT,AG-GT
578052,578131,80,EXACT,AG-GT
579240,579341,102,EXACT,AG-GT
579704,580361,658,EXACT,AG-GT
580750,581131,382,START: end 631 GT
581762,582010,249
ID=NCLIV_061040 - 13 A..ATG
607025,607139,115,END:Starts:606926-606929-606915-
607546,607609,64,EXACT,AG-GT
607729,607791,63,EXACT,AG-GT
608276,608360,85,EXACT,AG-GT
608495,608622,128,EXACT,AG-GT
609054,609119,66,EXACT,AG-GT
609499,609574,76,EXACT,AG-GT
610111,610197,87,EXACT,AG-GT
610584,610801,218,EXACT,AG-GT
611164,611325,162,EXACT,AG-GT
611787,611873,87,EXACT,AG-GT
612198,612435,238,EXACT,AG-GT
612806,612847,42,START:Ends:613642-613530-615244-
ID=NCLIV_061050 - 18 A..ATG
615352,615618,267,END:Starts:615352-615171-614253-
615960,616112,153,EXACT,AG-GT
616289,616444,156,EXACT,AG-GT
616898,617005,108,EXACT,AG-GT
617507,617740,234,EXACT,AG-GT
618366,618695,330,START: end 596 AG-GT
619079,619291,213,END: start -713 AG-GT
619768,619836,69,EXACT,AG-GT
620288,620465,178,EXACT,AG-GT
621005,621177,173,EXACT,AG-GT
621698,621834,137,EXACT,AG-GT
622343,622523,181,EXACT,AG-GT
622786,622913,128,EXACT,AG-GT
623382,623516,135,EXACT,AG-GT
624051,624241,191,EXACT,AG-GT
625035,625239,205,EXACT,AG-GT
625804,625860,57,EXACT,TAG|TGA|TAA:AG-GT
626156,626345,190,START:Ends:627159-627163-
ID=NCLIV_061060 - 7 TAGATGG
629620,629922,303,END:Starts:628699-629124-629150-
630381,630470,90,EXACT,AG-GT
631048,631142,95,START: end 1634 GT
632110,632136,27,OVER: start -1062 and end 640 GT
632901,633051,151
633611,633745,135
634262,634270,9
ID=NCLIV_061070 - 5 A..ATG
636704,636973,270,END:Starts:636046-636018-635872-

637486,637578,93,EXACT,AG-GT
637726,637857,132,EXACT,AG-GT
638387,638793,407,EXACT,AG-GT
639304,639583,280,START:Ends:640370-640208-640416-
ID=NCLIV_061080 - 9 TCCATGG
642648,642708,61,END:Starts:641909-641580-
643211,643401,191,EXACT,AG-GT
643713,643884,172,EXACT,AG
644401,644518,118,EXACT,AG-GT
645022,645067,46,START: end 156 GT
645526,645696,171,END: start -51 AG
646108,646143,36,START: end -1 GT
646382,646507,126
647081,647527,447
ID=NCLIV_061100 - 3 A..ATG
656965,660634,3670
661744,661856,113
662525,665029,2505
ID=NCLIV_061130 - 10 G..ATGG
686526,686639,114,END:Starts:686184-686227-686226-
687455,688016,562,EXACT,AG-GT
688285,689250,966,EXACT,AG
689561,689794,234,EXACT,AG-GT
690424,690665,242,EXACT,AG
690903,691858,956,EXACT,GT
692267,693040,774
693512,693597,86
694535,695167,633,START: end 174 GT
695555,695706,152
ID=NCLIV_061150 - 1 A..ATG
706817,707809,993
ID=NCLIV_061160 - 4 A..ATG
711419,711598,180,END:Starts:710171-710159-710142-
711823,712041,219,EXACT,AG-GT
712448,712755,308,EXACT,AG-GT
713468,714071,604,START:Ends:714503-714446-714502-
ID=NCLIV_061190 - 10 A..ATG
732166,732392,227,END:Starts:731174-731205-731216-
732612,732705,94,END: start 55 AG-GT (ref:AC-GT)<< Possible error
733102,733245,144,EXACT,AG-GT
733404,733498,95,EXACT,AG-GT
734017,734103,87,EXACT,AG-GT
734571,734656,86
734921,734983,63
735088,735221,134
735894,735970,77,END: start 7 AG
736432,736555,124,START:Ends:737356-737344-
ID=NCLIV_061200 - 11 A..ATG
739457,739480,24,END:Starts:739004-739047-738950-
740133,740331,199,EXACT,AG-GT
740736,740821,86,EXACT,AG-GT
740922,741033,112,EXACT,AG-GT
741295,741370,76,EXACT,AG-GT
741974,742028,55,EXACT,AG-GT
742523,742638,116,EXACT,AG-GT
743175,743245,71,EXACT,AG-GT
744257,744441,185,EXACT,ATG:AG-GT
744725,744942,218,START: end -14 GT
745327,745435,109
ID=NCLIV_061230 - 8 GACATGA

777368,778071,704,END:Starts:774574-775731-774787-
778632,778940,309,EXACT,AG-GT
779432,779548,117,EXACT,AG-GT
779703,779873,171,EXACT,AG-GT
780329,780394,66,EXACT,AG-GT
780871,781149,279,EXACT,AG-GT
781658,782953,1296,START: end -37 GT
783123,783156,34
ID=NCLIV_061240 - 3 A..ATG
784721,785005,285,OVER:Ends:786026-786211-
785150,785264,115,OVER: start -2021 and end 947 NONE
785489,785772,284,OVER:Ends:786026-786211-
ID=NCLIV_061250 - 12 [CT]..ATG[ACT]
788822,789158,337
789744,789832,89
790533,790692,160
790986,791115,130
791531,791670,140
791836,791968,133
792273,792395,123
793034,793078,45
793968,793978,11
794677,794818,142
795556,795633,78
796060,796207,148
ID=NCLIV_061260 - 3 A..ATG
799413,799584,172
799875,800132,258
800997,805099,4103
ID=NCLIV_061280 - 8 A..ATG
812569,812694,126,END:Starts:812232-812392-812087-
813141,813203,63,START: end 9 AG-GT
813684,813792,109
814117,814313,197
814555,814622,68
815076,815325,250
815609,815893,285,EXACT,AG-GT
816455,816496,42,START:Ends:817299-817589-
ID=NCLIV_061300 - 7 A..ATG
828057,828106,50,END:Starts:827059-827060-827634-
828580,828616,37,EXACT,AG-GT
828886,828930,45,EXACT,AG-GT
829349,829449,101,EXACT,AG-GT
829776,829824,49,EXACT,AG-GT
829944,830092,149,EXACT,AG-GT
830442,830529,88,START:Ends:830972-830975-
ID=NCLIV_061310 - 3 TTGATGG
832430,833876,1447
834333,834523,191
834897,834938,42
ID=NCLIV_061330 - 16 A..ATG
846332,846369,38,END:Starts:845143-845888-845883-
846463,846559,97,EXACT,AG-GT
846658,846739,82,EXACT,AG-GT
846849,847027,179,EXACT,AG-GT
847156,847261,106,EXACT,AG-GT
847365,847680,316,EXACT,Info:AG-GT-acceptor=GG-ATG:AG-GT-
847855,847974,120,END: start -63 AG (ref:AC-GT)<< Possible error
848074,848176,103,EXACT,AG-GT
848270,848396,127,EXACT,AG-GT

848493,848561,69,EXACT,AG-GT
 848665,848773,109,EXACT,AG-GT
 848957,849011,55,EXACT,AG-GT
 849151,849302,152,EXACT,AG-GT
 849415,849538,124,EXACT,AG-GT
 849873,850045,173,EXACT,AG-GT
 850583,851123,541,START:Ends:851845-851560-851855-
 ID=NCLIV_061350 - 8 A..ATG
 855409,855582,174,END:Starts:855039-854903-854975-
 855941,856123,183,EXACT,AG-GT
 856440,856622,183,EXACT,AG-GT
 857056,857382,327,EXACT,AG-GT
 857888,858141,254,EXACT,AG-GT
 858690,859089,400,EXACT,AG-GT
 859716,859861,146,EXACT,AG-GT
 860517,860757,241,START:Ends:861164-861318-
 ID=NCLIV_061370 - 1 G..ATGG
 871836,872486,651
 ID=NCLIV_061380 - 4 G..ATGG
 874323,875045,723,END:Starts:874070-874106-874101-
 875166,875410,245,END: start 57 ATG:AG-GT (ref:AC-GT)<< Possible error
 875565,875675,111,EXACT,AG-GT
 876032,876302,271,START:Ends:877204-876558-877472-
 ID=NCLIV_061400 - 27 GTCATGC
 883730,884170,441,END:EXACT
 884814,885374,561,EXACT,AG-GT
 886082,886488,407,EXACT,AG-GT
 887137,887186,50,EXACT,AG-GT
 887873,887935,63,EXACT,AG-GT
 888255,888517,263,EXACT,AG-GT
 889216,890088,873,EXACT,AG-GT
 890604,890819,216,START: end 908 Info:AG-GC-AG-GT-
 891626,891727,102,END: start -1022 Info:AG-GC-AG-GT-
 891872,892021,150,EXACT,AG-GT
 892515,892627,113,EXACT,AG-GT
 893014,893131,118,EXACT,AG-GT
 893681,893764,84,EXACT,AG-GT
 894273,894551,279,EXACT,AG-GT
 894906,895100,195,EXACT,AG-GT
 895756,895803,48,EXACT,AG-GT
 896226,896333,108,EXACT,AG-GT
 896609,896767,159,EXACT,AG-GT
 897677,897903,227,EXACT,AG-GT
 898560,898706,147,EXACT,AG-GT
 899266,899315,50,EXACT,AG-GT
 899808,899950,143,START: end 2 GT
 900141,900308,168,END: start 10 AG (ref:AC-GT)<< Possible error
 900859,901049,191,EXACT,AG-GT
 901610,901657,48,EXACT,AG-GT
 902219,902272,54,START: end -1 GT
 902832,904365,1534
 ID=NCLIV_061410 - 7 A..ATG
 905879,906042,164,END:Starts:902838-905984-905091-
 906605,906797,193,EXACT,AG-GT
 907391,907480,90,EXACT,AG-GT
 907916,908072,157,EXACT,AG-GT
 908360,908883,524,EXACT,AG-GT
 909358,909421,64,EXACT,AG-GT
 909589,909719,131,START:Ends:911337-911173-911713-
 ID=NCLIV_061420 - 9 A..ATG

914162,915494,1333,END:Starts:912856-912852-912855-
 915841,916668,828,START: end 969 AG-GT (ref:AC-GT)<< Possible error
 917050,917637,588,END: start -1209 AG-GT (ref:AC-GT)<< Possible error
 918111,918667,557,EXACT,AG-GT
 919010,919191,182,EXACT,AG-GT
 919577,921121,1545,EXACT,AG-GT
 921422,921600,179,EXACT,AG-GT
 922060,922253,194,EXACT,TAG|TGA|TAA:AG-GT
 922562,924346,1785,START:EXACT
 ID=NCLIV_061430 - 7 G..ATGG
 928933,928971,39
 929436,929506,71,EXACT,AG-GT
 929828,930841,1014,START: end 484 AG-GT
 931097,931325,229,END: start -1269 AG-GT
 932056,933492,1437,START: end -52 Code:INTERNAL-NONE-
 934086,934520,435
 934981,935127,147
 ID=NCLIV_061450 - 7 A..ATG
 939582,939796,215
 940371,940473,103
 940781,940884,104
 941431,941547,117
 942208,942643,436
 943309,943491,183
 944159,944350,192
 ID=NCLIV_061470 - 8 A..ATG
 954101,954217,117
 954819,954961,143
 955319,955363,45
 955916,956153,238
 956438,956650,213
 957153,957259,107
 958046,959408,1363
 960126,960239,114
 ID=NCLIV_061500 - 5 A..ATG
 974440,974532,93,END:Starts:973618-973684-973657-
 975047,975190,144,EXACT,AG-GT
 975497,975604,108,EXACT,AG-GT
 976290,976493,204,EXACT,ATG:AG-GT
 977162,977419,258,START:Ends:978738-978689-978693-
 ID=NCLIV_061530 - 3 A..ATG
 986454,986648,195,OVER:Starts:986368-985850-986743-
 986743,986902,160,END: start -375 Info:AG-GC-donor=AG-AG-GT- (ref:AC-GT)<< Possible error
 987173,987639,467,START:EXACT
 ID=NCLIV_061550 - 10 G..ATGG
 999894,1000046,153,END:Starts:999817-999802-999792-
 1000359,1000535,177,START: end 3 GT
 1001043,1001663,621,END: start 8 AG (ref:AC-GT)<< Possible error
 1002258,1002401,144,START: end 11 GT
 1003569,1003653,85,EXACT,AG-GT
 1004157,1004239,83,EXACT,AG-GT
 1004956,1005377,422,EXACT,GT
 1005903,1006026,124,START: end 3 GT
 1006308,1006571,264,END: start 9 AG (ref:AC-GT)<< Possible error
 1007270,1008544,1275,START:Ends:1009384-1008156-1009245-
 ID=NCLIV_061580 - 7 GTGATGT
 1020970,1021497,528,END:Starts:1020519-1020762-1020553-
 1021852,1022037,186,EXACT,ATG:AG-GT
 1022776,1023135,360,EXACT,AG-GT
 1023496,1023780,285,EXACT,AG-GT

1024455,1024631,177,EXACT,AG-GT
1025121,1026096,976,EXACT,AG-GT
1026555,1027309,755,START:EXACT
ID=NCLIV_061600 - 10 A..ATG
1038515,1038554,40,END:Starts:1037840-1037881-1037977-
1038756,1038781,26,EXACT,AG-GT
1039034,1039123,90,EXACT,AG-GT
1039493,1039893,401,EXACT,AG-GT
1040723,1040788,66,EXACT,AG-GT
1040894,1041197,304,EXACT,AG-GT
1041485,1041608,124,EXACT,AG-GT
1042191,1042375,185,EXACT,AG-GT
1042974,1043062,89,EXACT,AG-GT
1043809,1043893,85,START:Ends:1044388-1044303-1044344-
ID=NCLIV_061610 - 6 A..ATG
1046597,1046969,373
1047204,1047472,269,OVER: start -21 and end 170 AG-GT
1047573,1047683,111
1049325,1049409,85,EXACT,AG-GT
1050322,1051066,745,START: end 63 GT
1051564,1051840,277
ID=NCLIV_061630 - 2 A..ATG
1059520,1064278,4759
1064631,1066291,1661
ID=NCLIV_061640 - 2 A..ATG
1068428,1068774,347,END:Starts:1067763-1067884-1067783-
1069128,1069335,208,START:EXACT
ID=NCLIV_061670 - 13 A..ATG
1095233,1095393,161,END:Starts:1091172-1091786-1092089-
1095826,1095904,79,EXACT,AG-GT
1096349,1096573,225,EXACT,AG-GT
1097129,1097220,92,EXACT,AG-GT
1097567,1097774,208,EXACT,AG-GT
1098040,1098249,210,EXACT,AG-GT
1098517,1099422,906,END: start 174 AG-GC (ref:AC-GT)<< Possible error
1099847,1099981,135,EXACT,AG-GT
1100558,1100803,246,EXACT,AG-GT
1100994,1101253,260,EXACT,AG-GT
1101744,1102032,289,EXACT,AG-GT
1102813,1103398,586,EXACT,AG-GT
1104098,1104603,506,START:Ends:1105260-1105285-
ID=NCLIV_061690 - 7 A..ATG
1122828,1122999,172,END:Starts:1122011-1122195-1122355-
1123457,1123910,454,EXACT,AG-GT
1124169,1124250,82,EXACT,AG-GT
1124895,1125083,189,EXACT,AG-GT
1125237,1125299,63,EXACT,AG-GT
1125936,1126111,176,EXACT,AG-GT
1126587,1128102,1516,START:Ends:1129375-1128671-1130338-
ID=NCLIV_061710 - 4 G..ATGG
1147596,1147760,165,OVER:Starts:1146644-1148058-1147028-
1148048,1148161,114,END: start -1020 AG (ref:AC-GT)<< Possible error
1148563,1148746,184,EXACT,AG-GT
1149220,1150412,1193,START:Ends:1151603-1150737-
ID=NCLIV_061720 - 40 G..ATGG
1154203,1154345,143,END:Starts:1151091-1153148-1153025-
1154732,1154917,186,EXACT,AG-GT
1155159,1155387,229,END: start -2 AG-GT (ref:AC-GT)<< Possible error
1155510,1155620,111,EXACT,AG-GT
1156052,1156242,191,EXACT,AG-GT

1156630,1156708,79,EXACT,AG-GT
1157218,1157351,134,EXACT,AG-GT
1157820,1157889,70,EXACT,AG-GT
1158278,1158426,149,EXACT,AG-GT
1159026,1159187,162,EXACT,ATG:AG-GT
1159542,1159676,135,EXACT,AG-GT
1160433,1160625,193,EXACT,AG-GT
1160899,1161108,210,EXACT,AG-GT
1161309,1161394,86,EXACT,AG-GT
1161814,1161964,151,EXACT,AG-GT
1162492,1162575,84,EXACT,AG-GT
1163098,1163175,78,EXACT,AG-GT
1163337,1163716,380,EXACT,AG-GT
1164111,1165596,1486,EXACT,AG-GT
1165947,1166044,98,EXACT,AG-GT
1166295,1166817,523,EXACT,AG-GT
1167364,1167958,595,EXACT,AG-GT
1168616,1169414,799,START: end -529 GT
1169671,1169839,169,EXACT,AG-GT
1170018,1170709,692,EXACT,AG-GT
1171160,1171529,370,EXACT,AG-GT
1172103,1172252,150,EXACT,AG-GT
1172869,1173201,333,EXACT,AG-GT
1173770,1173926,157,EXACT,AG-GT
1174513,1174628,116,EXACT,AG-GT
1175018,1175074,57,EXACT,AG-GT
1175338,1175424,87,EXACT,AG-GT
1175711,1175836,126,EXACT,AG-GT
1176268,1176417,150,EXACT,AG-GT
1176799,1176973,175,EXACT,AG-GT
1177361,1177539,179,EXACT,AG-GT
1178009,1178103,95,EXACT,AG-GT
1178609,1178813,205,EXACT,AG-GT
1179503,1179691,189,EXACT,AG-GT
1179972,1180607,636,START:Ends:1182189-1182064-
ID=NCLIV_061740 - 5 A..ATG
1194372,1194673,302
1195127,1195388,262,EXACT,AG
1196172,1196528,357,START: end -80 GT
1196890,1197039,150
1197686,1197829,144
ID=NCLIV_061760 - 1 GTCATGT
1202269,1203252,984
ID=NCLIV_061780 - 1 A..ATG
1212002,1215742,3741
ID=NCLIV_061790 - 9 A..ATG
1218650,1219979,1330,END:Starts:1218609-1218466-
1220519,1224159,3641,EXACT,AG
1224515,1224697,183,START: end 549 AG-GT
1225639,1225714,76,EXACT,AG-GT
1226241,1226750,510,EXACT,AG-GT
1227089,1228000,912,EXACT,GT
1228525,1228581,57
1228925,1229936,1012
1230568,1231297,730,OVER:Starts:1230569-1230417-
ID=NCLIV_061820 - 8 A..ATG
1246459,1246539,81,END:Starts:1246060-1246050-1246090-
1246974,1247133,160,EXACT,AG-GT
1247502,1247623,122,EXACT,AG-GT
1248049,1248177,129,EXACT,AG-GT

1248652,1248842,191,EXACT,AG-GT
1249377,1249514,138,EXACT,AG-GT
1249918,1249983,66,EXACT,AG-GT
1250149,1251031,883,START:Ends:1252013-1251659-1251583-
ID=NCLIV_061840 - 6 [CT]..ATG[ACT]
1258564,1258792,229
1259278,1264815,5538
1265310,1265414,105
1265881,1266580,700
1266822,1267264,443
1267532,1269597,2066
ID=NCLIV_061850 - 2 A..ATG
1276362,1277348,987
1279331,1280284,954
ID=NCLIV_061860 - 1 A..ATG
1282244,1283422,1179
ID=NCLIV_061870 - 1 A..ATG
1285003,1286178,1176
ID=NCLIV_061890 - 3 A..ATG
1299735,1302696,2962
1302903,1303105,203
1303225,1303428,204
ID=NCLIV_061900 - 4 GAAATGA
1306345,1306601,257,OVER:Starts:1306012-1306064-1305926-
1307072,1307153,82,EXACT,AG-GT
1307484,1307668,185,EXACT,AG-GT
1308300,1308567,268,START:Ends:1309506-1309475-1309515-
ID=NCLIV_061920 - 5 [CT]..ATG[ACT]
1344279,1346235,1957,END:EXACT
1346610,1346704,95,EXACT,AG-GT
1347199,1347279,81,EXACT,AG-GT
1347619,1347751,133,EXACT,AG-GT
1347977,1349229,1253,START:Ends:1351804-1348805-1351624-
ID=NCLIV_061930 - 9 A..ATG
1354479,1354560,82
1355661,1355737,77
1355962,1356270,309
1356522,1357180,659
1357628,1357987,360
1358279,1358502,224
1358620,1358902,283
1359802,1360038,237
1360426,1360654,229
ID=NCLIV_061950 - 1 A..ATG
1370283,1371371,1089
ID=NCLIV_061980 - 13 A..ATG
1374995,1375042,48,END:Starts:1372545-1372148-
1375582,1375629,48,EXACT,AG-GT
1375934,1376000,67,EXACT,AG-GT
1376281,1376335,55,EXACT,AG-GT
1376757,1376814,58,EXACT,AG-GT
1377526,1377617,92,EXACT,AG-GT
1377981,1378029,49,EXACT,AG-GT
1378303,1378320,18,START: end 25 AG-GT
1378586,1378984,399,END: start 280 AG-GT
1379564,1379618,55,EXACT,AG-GT
1379980,1380158,179,START: end -23 GT
1380750,1380837,88
1381730,1382178,449
ID=NCLIV_061990 - 2 A..ATG

1385326,1386126,801,END:Starts:1385162-1384304-
1386270,1389503,3234,START:Ends:1389449-1387957-
ID=NCLIV_062000 - 1 CAAATGG
1392881,1394746,1866
ID=NCLIV_062020 - 2 CTCATGG
1405690,1409515,3826
1409822,1411353,1532
ID=NCLIV_062030 - 1 CGCCGGG
1416301,1420875,4575
ID=NCLIV_062050 - 8 A..ATG
1432393,1432574,182
1432979,1433058,80,START: end 875 AG-GT
1433605,1433933,329,END: start -626 AG-GT
1434189,1434275,87,START: end 2736 GT
1434575,1434724,150,OVER: start -386 and end 2287 GT
1435274,1435376,103,OVER: start -1085 and end 1635 GT
1435892,1436744,853,OVER: start -1703 and end 267 GT
1437542,1437632,91
ID=NCLIV_062060 - 11 GGAATGA
1442229,1442504,276
1442720,1443043,324
1443672,1443743,72
1444124,1444222,99
1444812,1444952,141
1445924,1446086,163
1446481,1446551,71
1446749,1446913,165
1447893,1448264,372
1449570,1449712,143
1449981,1450068,88
ID=NCLIV_062070 - 3 A..ATG
1450436,1450678,243
1451577,1452073,497
1452677,1453823,1147
ID=NCLIV_062080 - 7 G..ATGG
1458858,1461597,2740
1462001,1462071,71,END: start 3 AG
1462322,1462828,507,EXACT,AG-GT
1463193,1463541,349,EXACT,AG-GT
1463855,1463932,78,EXACT,AG-GT
1464380,1464453,74,EXACT,ATG:AG-GT
1465127,1466917,1791,START:Ends:1467156-1467161-
ID=NCLIV_062090 - 8 A..ATG
1469659,1470879,1221,END:Starts:1469199-1469094-1469184-
1471212,1471291,80,EXACT,AG-GT
1471835,1475621,3787,EXACT,GT
1475885,1478263,2379,END: start 6 AG
1478735,1480116,1382,START: end -394 GT
1480457,1480560,104,EXACT,GT
1480899,1480990,92
1481429,1482382,954
ID=NCLIV_062110 - 10 A..ATG
1492174,1492358,185,OVER:Starts:1489861-1492589-1490159-
1492589,1492664,76,OVER: start -2430 and end 10 AG (ref:AC-GT)<< Possible error
1493154,1493333,180,END: start -38 AG-GC (ref:AC-GT)<< Possible error
1493705,1493785,81,EXACT,AG-GT
1494153,1494273,121,EXACT,AG-GT
1494627,1494722,96,EXACT,GT
1495376,1495487,112
1495848,1495881,34

1496189,1496371,183
 1496661,1498418,1758
 ID=NCLIV_062130 - 1 A..ATG
 1513400,1513903,504
 ID=NCLIV_062140 - 1 A..ATG
 1516845,1520201,3357
 ID=NCLIV_062150 - 17 A..ATG
 1522405,1522805,401
 1523430,1523463,34
 1524138,1524514,377
 1524931,1525127,197
 1525340,1525376,37
 1525602,1525662,61
 1526073,1526464,392
 1527074,1527267,194
 1527683,1527716,34
 1527991,1528048,58
 1528301,1528689,389
 1528889,1529082,194
 1529555,1529588,34
 1529914,1529971,58
 1530689,1531068,380
 1531677,1531849,173
 1532311,1532324,14
 ID=NCLIV_062170 - 8 GCGATGT
 1545154,1546166,1013
 1546354,1546843,490
 1546969,1547018,50
 1547412,1547462,51
 1547823,1547999,177
 1548504,1548597,94
 1549033,1549483,451
 1550140,1550240,101
 ID=NCLIV_062180 - 8 A..ATG
 1552615,1553630,1016
 1554011,1554086,76
 1554858,1555060,203
 1555403,1555453,51
 1556092,1556268,177
 1556417,1556492,76
 1556921,1557051,131
 1557713,1557812,100
 ID=NCLIV_062190 - 3 TCAATGG
 1559720,1560377,658,END:Starts:1559492-1559699-1559493-
 1560912,1561324,413,OVER: start -205 and end 126 GT
 1561896,1562141,246
 ID=NCLIV_062200 - 7 A..ATG
 1567062,1567429,368,END:EXACT
 1567699,1567878,180,EXACT,AG-GT
 1568471,1568650,180,EXACT,AG-GT
 1569127,1569247,121,EXACT,TAGITGATTA:AG-GT
 1569796,1569894,99,EXACT,AG-GT
 1570104,1570157,54,START: end 2190 GT
 1570713,1571207,495,OVER:Ends:1570301-1572347-
 ID=NCLIV_062210 - 3 A..ATG
 1574976,1575089,114,END:Starts:1573998-1573970-1574019-
 1575313,1575427,115,EXACT,AG-GT
 1575657,1575691,35,START:EXACT
 ID=NCLIV_062220 - 7 [CT]..ATG[ACT]
 1578354,1578680,327,OVER:Starts:1578811-1577955-1578017-

1578850,1578961,112,END: start -833 AG (ref:AC-GT)<< Possible error
1579198,1579334,137,EXACT,AG-GT
1579548,1579676,129,EXACT,AG-GT
1580054,1580192,139,EXACT,AG-GT
1580406,1580588,183,EXACT,AG-GT
1581182,1581363,182,START:Ends:1582170-1582138-1582712-
ID=NCLIV_062230 - 5 G..ATGG
1582352,1582712,361
1583096,1583243,148
1583687,1583787,101
1584390,1584933,544
1585808,1586231,424
ID=NCLIV_062270 - 11 A..ATG
1608994,1609190,197,END:Starts:1609041-1608166-1608177-
1609368,1609481,114,EXACT,AG-GT
1609816,1609860,45,EXACT,AG-GT
1610177,1610288,112,START: end -33 AG-GT (ref:AC-GT)<< Possible error
1610630,1610668,39,EXACT,AG-GT
1611192,1611273,82,EXACT,AG-GT
1611704,1611768,65,EXACT,AG-GT
1612066,1612113,48,EXACT,AG-GT
1612913,1612981,69,EXACT,AG-GT
1613414,1613522,109,EXACT,AG-GT
1613823,1613839,17,START:Ends:1614918-1614675-1621404-
ID=NCLIV_062290 - 1 [CT]..ATG[ACT]
1619407,1620189,783
ID=NCLIV_062310 - 2 A..ATG
1627715,1628629,915
1629473,1629619,147
ID=NCLIV_062340 - 3 A..ATG
1642089,1642117,29,END:Starts:1638178-1641608-1639880-
1642522,1642616,95,EXACT,AG-GT
1643107,1643201,95,START:Ends:1643992-1643976-1643589-
ID=NCLIV_062360 - 8 A..ATG
1647785,1647832,48
1649101,1649247,147
1649646,1649758,113
1650263,1650347,85
1650817,1650870,54
1651631,1651797,167
1652542,1652683,142
1654052,1654231,180
ID=NCLIV_062390 - 2 A..ATG
1674676,1674932,257
1675712,1678925,3214
ID=NCLIV_062400 - 1 A..ATG
1681165,1682388,1224
ID=NCLIV_062420 - 2 A..ATG
1689715,1689885,171,END:EXACT
1690430,1690651,222,START:Ends:1690901-1690959-1692561-
ID=NCLIV_062430 - 8 A..ATG
1692020,1692532,513
1692949,1693027,79
1693272,1693470,199
1693657,1693777,121
1694324,1694398,75
1694985,1695323,339
1695808,1695926,119
1696473,1696539,67
ID=NCLIV_062460 - 7 GGTATGC

1714603,1716202,1600
1716995,1717180,186
1717849,1720533,2685,EXACT,Code:INTERNAL-
1721219,1721523,305,EXACT,AG-GT
1722054,1722164,111,EXACT,AG-GT
1722626,1722780,155,EXACT,AG-GT
1723249,1724203,955,START:Ends:1728438-1724927-
ID=NCLIV_062470 - 3 TCGATGG
1729354,1729721,368
1729997,1732009,2013
1732310,1734662,2353
ID=NCLIV_062480 - 1 G..ATGG
1737138,1738325,1188
ID=NCLIV_062500 - 6 A..ATG
1754784,1754974,191
1755446,1755604,159
1755935,1756088,154
1756271,1756491,221
1756876,1757015,140
1757327,1757484,158
ID=NCLIV_062530 - 9 A..ATG
1810348,1810581,234,END:Starts:1809855-1809878-1810154-
1811180,1811279,100,START: end 30 AG-GT
1811596,1811651,56,EXACT,GT
1812160,1812249,90,EXACT,AG
1813462,1813518,57,EXACT,AG-GT
1814262,1814354,93,START: end 264 GT
1814919,1815017,99
1815295,1815569,275
1815995,1816490,496
ID=NCLIV_062550 - 7 [CT]..ATG[ACT]
1825091,1826020,930,END:Starts:1817060-1824569-1822553-
1826456,1826561,106,EXACT,AG-GT
1829308,1829362,55,START: end 1077 GT
1830930,1831351,422,END: start -1 AG
1831702,1831800,99,START: end -7 GT
1832388,1832710,323,END: start 44 AG
1833096,1833239,144,START:EXACT
ID=NCLIV_062560 - 7 A..ATG
1839275,1841622,2348,END:Starts:1838688-1837635-
1842204,1842269,66,START: end 24 GT
1843163,1843252,90
1843443,1843616,174
1843871,1845213,1343
1845509,1846042,534
1846700,1848069,1370
ID=NCLIV_062580 - 8 A..ATG
1864269,1864896,628,END:EXACT
1865507,1865651,145,EXACT,AG-GT
1865933,1866039,107,EXACT,AG-GT
1866527,1866952,426,EXACT,AG-GT
1867300,1867457,158,EXACT,AG-GT
1868548,1868948,401,EXACT,AG-GT
1869459,1869524,66,START: end 4290 GT
1870204,1873780,3577,OVER:Ends:1869736-1873814-
ID=NCLIV_062590 - 11 A..ATG
1875196,1875254,59,END:Starts:1874967-1874924-
1875744,1875771,28,START: end -2 GT
1876163,1876438,276,END: start 1 AG (ref:AC-GT)<< Possible error
1876656,1876714,59,EXACT,AG-GT

1877104,1877380,277,EXACT,AG-GT
1877916,1878046,131,EXACT,AG-GT
1878796,1878887,92,START: end -24 GT
1879066,1879151,86,END: start 30 Info:AG-GT-AG-GC-
1879685,1880015,331,EXACT,AG-GT
1880355,1880494,140,EXACT,AG-GT
1880704,1880862,159,START:Ends:1881498-1881481-
ID=NCLIV_062610 - 7 A..ATG
1898721,1899007,287
1899353,1899416,64,END: start -144 AG (ref:AC-GT)<< Possible error
1899691,1899798,108,EXACT,ATG:AG-GT
1900296,1900336,41,EXACT,AG-GT
1901119,1901161,43,EXACT,AG-GT
1901776,1901961,186,EXACT,AG-GT
1902450,1902896,447,START:Ends:1904488-1904231-1905187-
ID=NCLIV_062630 - 1 A..ATG
1910459,1911061,603
ID=NCLIV_062640 - 3 [CT]..ATG[ACT]
1913482,1913586,105
1914055,1914243,189,END: start 16 AG
1914524,1914625,102,START:Ends:1915710-1915622-
ID=NCLIV_062650 - 9 A..ATG
1918070,1918361,292,END:Starts:1917707-1917569-
1918608,1918651,44,START: end 1 GT
1919209,1919794,586
1920101,1920210,110
1920738,1920806,69
1921211,1922275,1065
1922839,1926482,3644
1926839,1926938,100
1927319,1927408,90
ID=NCLIV_062670 - 1 GTTATGT
1948880,1950034,1155
ID=NCLIV_062680 - 1 GTTATGT
1953727,1954863,1137
ID=NCLIV_062690 - 1 GTTATGT
1958887,1960041,1155
ID=NCLIV_062700 - 4 [CT]..ATG[ACT]
1961471,1966902,5432
1967202,1967584,383
1967951,1973748,5798
1974279,1974842,564
ID=NCLIV_062720 - 4 A..ATG
1987330,1987383,54,END:Starts:1987119-1987118-1987132-
1988042,1988270,229,EXACT,AG-GT
1989322,1989445,124,EXACT,AG-GT
1990734,1990944,211,START:Ends:1991118-1991078-1991074-
ID=NCLIV_062740 - 2 A..ATG
1998114,1998260,147,END:Starts:1997948-1996681-1996690-
1998787,1999038,252,START:Ends:1999965-1999871-2001566-
ID=NCLIV_062780 - 11 G..ATGG
2016718,2016975,258,END:EXACT
2017669,2018426,758,START: end -38 GT
2018758,2018865,108
2019265,2019409,145
2019776,2020121,346
2020778,2020911,134
2021136,2021354,219
2021797,2022117,321,END: start 13 Info:AG-GT-AG-GC-
2022557,2023144,588,START: end -38 GT

2023734,2024385,652,END: start 580 AG
 2024934,2026816,1883,START:Ends:2025302-2027842-
 ID=NCLIV_062790 - 17 A..ATG
 2030407,2030838,432,END:Starts:2028258-2028306-2028090-
 2031084,2031239,156,EXACT,AG-GT
 2031585,2031827,243,EXACT,AG-GT
 2032177,2032370,194,EXACT,AG-GT
 2032970,2033250,281,EXACT,AG-GT
 2033865,2034167,303,EXACT,AG-GT
 2034609,2035253,645,EXACT,AG-GT
 2035702,2035824,123,EXACT,AG-GT
 2036202,2036422,221,START: end 5 GT
 2036814,2037072,259,END: start 13 AG (ref:AC-GT)<< Possible error
 2037550,2038633,1084,EXACT,AG-GT
 2039123,2040515,1393,EXACT,AG-GT
 2040884,2041126,243,EXACT,AG-GT
 2041386,2041676,291,EXACT,AG-GT
 2041850,2041975,126,EXACT,AG-GT
 2042382,2043136,755,EXACT,AG-GT
 2043685,2044462,778,START:Ends:2046237-2046097-
 ID=NCLIV_062820 - 1 A..ATG
 2065848,2066426,579
 ID=NCLIV_062840 - 11 A..ATG
 2086493,2086541,49
 2087058,2087228,171
 2087657,2087872,216
 2088294,2088406,113
 2088666,2088788,123
 2089060,2089201,142
 2089986,2090101,116
 2090701,2090798,98
 2090947,2091254,308
 2091560,2091733,174
 2092242,2093251,1010
 ID=NCLIV_062860 - 6 [CT]..ATG[ACT]
 2110292,2110402,111,END:Starts:2106428-2109355-2110025-
 2110655,2110701,47,START: end 13 GT
 2111326,2111342,17
 2111899,2112157,259,EXACT,AG
 2112802,2113056,255,EXACT,AG-GT
 2113405,2113903,499,START:Ends:2115184-2115199-
 ID=NCLIV_062870 - 1 A..ATG
 2116575,2117807,1233
 ID=NCLIV_062890 - 3 A..ATG
 2131925,2132200,276,OVER:Starts:2131449-2131487-2131480-
 2132931,2133016,86,EXACT,AG-GT
 2133893,2133995,103,START:Ends:2134099-2134035-2134069-
 ID=NCLIV_062910 - 5 A..ATG
 2138362,2138406,45,END:Starts:2137057-2137169-2137164-
 2138812,2138887,76,EXACT,AG-GT
 2139185,2139395,211,EXACT,AG-GT
 2139828,2139972,145,EXACT,AG-GT
 2140200,2140985,786,START:Ends:2142241-2141796-2141956-
 ID=NCLIV_062920 - 1 A..ATG
 2145157,2145660,504
 ID=NCLIV_062930 - 3 CCCATGG
 2150243,2151330,1088,OVER:Ends:2151592-2151527-2151789-
 2152347,2152424,78
 2152590,2153673,1084
 ID=NCLIV_062960 - 8 A..ATG

2164912,2164982,71
 2165173,2165257,85,END: start -2 AG (ref:AC-GT)<< Possible error
 2165635,2165820,186,EXACT,AG-GT
 2166296,2166425,130,EXACT,AG-GT
 2166935,2167016,82,EXACT,AG-GT
 2167452,2167557,106,EXACT,AG-GT
 2167965,2168063,99,EXACT,AG-GT
 2168963,2169028,66,START:Ends:2170430-2170235-
 ID=NCLIV_062990 - 18 [CT]..ATG[ACT]
 2211743,2211864,122
 2212276,2212402,127
 2213339,2213500,162
 2214157,2214336,180,EXACT,AG
 2214894,2214987,94,EXACT,AG-GT
 2215462,2215589,128,EXACT,AG-GT
 2216123,2216263,141,START: end 333 AG-GT
 2216548,2216596,49,END: start -425 AG-GT
 2217278,2217374,97,EXACT,AG-GT
 2217683,2217755,73,EXACT,AG-GT
 2218072,2218164,93,START: end 55 GT
 2218696,2218860,165
 2219241,2219342,102
 2219924,2220257,334
 2220856,2221150,295
 2221928,2222232,305
 2222720,2222897,178
 2223403,2223850,448
 ID=NCLIV_063000 - 15 GAAATGA
 2227231,2228197,967,END:Starts:2226759-2226753-2226632-
 2228331,2228986,656,EXACT,AG-GT
 2229296,2230538,1243,EXACT,AG-GT
 2230989,2231520,532,EXACT,AG-GT
 2231827,2232152,326,EXACT,AG-GT
 2232769,2233025,257,START: end 784 GT
 2233517,2233601,85,OVER: start -748 and end 208 GT
 2234454,2234606,153
 2235058,2235614,557
 2236024,2236137,114
 2237002,2237095,94
 2237531,2237981,451
 2238900,2238900,1
 2239054,2239254,201
 2239277,2239744,468
 ID=NCLIV_063010 - 3 A..ATG
 2243859,2244527,669,END:Starts:2242839-2242227-2242735-
 2245226,2245329,104,START: end 2371 GT
 2246025,2247180,1156,OVER:Ends:2247700-2245519-2247701-
 ID=NCLIV_063030 - 2 A..ATG
 2252827,2254524,1698
 2255039,2255950,912
 ID=NCLIV_063070 - 6 [CT]..ATG[ACT]
 2287502,2287662,161,END:Starts:2287187-2287272-2286980-
 2288218,2288362,145,EXACT,AG-GT
 2288866,2290092,1227,START: end -810 AG-GT (ref:AC-GT)<< Possible error
 2290660,2290739,80,EXACT,AG-GT
 2291080,2291231,152,EXACT,AG-GT
 2291866,2292017,152,START:EXACT
 ID=NCLIV_063090 - 2 G..ATGG
 2304048,2304499,452
 2305147,2305738,592

ID=NCLIV_063100 - 7 [CT]..ATG[ACT]
2308771,2309209,439,END:Starts:2307423-2307471-2307464-
2309655,2309779,125,EXACT,AG-GT
2310399,2310573,175,EXACT,AG-GT
2311110,2311348,239,EXACT,AG-GT
2311673,2312037,365,EXACT,AG-GT
2312342,2312839,498,EXACT,ATG:AG-GT
2313250,2313355,106,START:Ends:2313956-2313918-2315932-

ID=NCLIV_063130 - 3 A..ATG
2327808,2328046,239
2328340,2328480,141
2329406,2330183,778

ID=NCLIV_063140 - 5 GATATGC
2333343,2333501,159,END:Starts:2333017-2332907-2333045-
2333894,2333968,75,EXACT,ATG:AG-GT
2334500,2334578,79,EXACT,AG-GT
2335918,2336042,125,EXACT,AG-GT
2336439,2337146,708,START:Ends:2341436-2337590-2337932-

ID=NCLIV_063160 - 2 G..ATGG
2342041,2342204,164,END:Starts:2337988-2341617-2341647-
2342620,2345311,2692,START:Ends:2345896-2345578-2345902-

ID=NCLIV_063190 - 2 A..ATG
2373713,2374746,1034,END:Starts:2370149-2370147-2370151-
2375311,2375737,427,START:Ends:2377397-2377315-2377334-

ID=NCLIV_063210 - 3 A..ATG
2401158,2405494,4337
2405778,2406016,239
2406391,2406455,65

ID=NCLIV_063220 - 4 A..ATG
2411905,2413132,1228,END:Starts:2410619-2410699-2410572-
2413412,2414039,628
2414413,2414644,232,OVER: start -920 and end 2906 GC
2415219,2415500,282,OVER:Ends:2417550-2414038-2417915-

ID=NCLIV_063230 - 5 A..ATG
2419578,2420015,438,END:Starts:2419015-2418877-2418986-
2420585,2420689,105,EXACT,AG-GT
2421200,2421455,256,EXACT,AG-GT
2421738,2421920,183,EXACT,AG-GT
2422242,2422561,320,START:Ends:2423777-2422583-2423085-

ID=NCLIV_063250 - 8 A..ATG
2433546,2433576,31,END:Starts:2432853-2432922-
2433921,2434038,118,END: start 76 AG-GT
2434525,2434614,90,EXACT,AG-GT
2435487,2435524,38,EXACT,AG-GT
2436044,2436093,50,EXACT,AG-GT
2436610,2436782,173,START: end 4 GT
2437007,2437207,201,END: start 10 AG-GT (ref:AC-GT)<< Possible error
2437907,2438000,94,START:Ends:2441647-2438781-2438885-

ID=NCLIV_063270 - 7 A..ATG
2443983,2444221,239
2444746,2445111,366
2445482,2445659,178
2446078,2446139,62
2446614,2446729,116
2447072,2447196,125
2447677,2449095,1419

ID=NCLIV_063290 - 5 A..ATG
2457563,2457634,72,END:Starts:2451908-2457092-2453302-
2458088,2458498,411,EXACT,AG-GT
2459004,2459136,133,EXACT,AG-GT

2459542,2459711,170,EXACT,AG-GT
2460175,2461374,1200,START:Ends:2462346-2462313-2462357-
ID=NCLIV_063310 - 13 CAAATGG
2474575,2474796,222,END:Starts:2471845-2474792-2471878-
2475218,2475283,66,EXACT,AG-GT
2475776,2475870,95,EXACT,AG-GT
2476175,2476271,97,EXACT,AG-GT
2476918,2477234,317,EXACT,AG-GT
2477637,2477945,309,EXACT,AG-GT
2478685,2478865,181,EXACT,AG-GT
2479280,2479452,173,EXACT,AG-GT
2479955,2480134,180,EXACT,AG-GT
2480568,2480971,404,EXACT,AG-GT
2481383,2481807,425,START: end 182 GT
2482487,2482684,198,END: start -211 AG
2483086,2483364,279,START:Ends:2483998-2483960-
ID=NCLIV_063360 - 1 A..ATG
2510262,2510948,687,OVER:Starts:2509793-2509463-
ID=NCLIV_063400 - 3 GAGATGA
2531934,2532780,847,END:Starts:2531912-2529803-
2533261,2533724,464,EXACT,AG-GT
2534005,2534112,108
ID=NCLIV_063420 - 6 A..ATG
2539296,2539854,559,END:Starts:2538544-2538686-2538682-
2540361,2540437,77,EXACT,AG-GT
2541118,2541227,110,EXACT,GT
2541771,2541964,194,EXACT,AG
2542205,2542285,81,EXACT,AG-GT
2542866,2543212,347,START:Ends:2544348-2544454-
ID=NCLIV_063440 - 4 GCCATGA
2554320,2554401,82
2555523,2555575,53
2556637,2556722,86
2556922,2558356,1435
ID=NCLIV_063450 - 1 A..ATG
2559925,2562054,2130
ID=NCLIV_063480 - 1 A..ATG
2583866,2585218,1353
ID=NCLIV_063520 - 5 A..ATG
2602845,2602997,153,END:Starts:2602498-2602485-
2603642,2603688,47,EXACT,AG-GT
2604106,2604247,142,START: end -2 GT
2604655,2604701,47
2605110,2606082,973
ID=NCLIV_063560 - 1 A..ATG
2636955,2639219,2265
ID=NCLIV_063580 - 1 A..ATG
2652622,2654277,1656
ID=NCLIV_063600 - 1 [CT]..ATG[ACT]
2661507,2662061,555
ID=NCLIV_063620 - 3 A..ATG
2667087,2667264,178,END:Starts:2665826-2665813-2665815-
2667430,2668391,962,START: end 178 GT
2668674,2668886,213
ID=NCLIV_063640 - 12 A..ATG
2678861,2680009,1149,END:Starts:2678262-2678216-
2680432,2680499,68,EXACT,GT
2680993,2681632,640,EXACT,AG
2682087,2682179,93,EXACT,AG-GT
2682786,2682884,99,START: end -13 GT

2683265,2683417,153
2683880,2683940,61
2684184,2684285,102,END: start 6 AG
2684758,2684912,155,EXACT,AG-GT
2685308,2685522,215,START: end -8 GT
2686127,2686243,117
2686593,2687904,1312
ID=NCLIV_063650 - 12 CCAATGG
2690412,2690489,78,END:Starts:2689714-2690418-2689731-
2690933,2691325,393,EXACT,AG-GT
2691466,2691570,105,EXACT,AG-GT
2691865,2692345,481,EXACT,AG-GT
2692499,2692640,142,EXACT,AG-GT
2693103,2693191,89,START: end 58 GT
2693524,2693654,131
2694570,2695091,522
2695722,2696265,544,END: start 317 AG
2697016,2697751,736,START: end 1539 GT
2700590,2701028,439,END: start -1235 AG
2701474,2704134,2661,START:Ends:2704971-2702933-
ID=NCLIV_063710 - 6 A..ATG
2751914,2751995,82,END:Ends:2751995-2746851-
2752505,2752549,45,START: end 958 GT
2753318,2753509,192
2753945,2754012,68,OVER: start -150 and end 1255 AG
2754428,2755267,840,END: start -633 AG
2755725,2758160,2436,START:Ends:2757593-2756286-
ID=NCLIV_063730 - 40 [CT]..ATG[ACT]
2776110,2776621,512,END:Starts:2775052-2775782-2775250-
2776902,2777139,238,EXACT,AG-GT
2777707,2777903,197,EXACT,ATG:AG-GT
2778685,2778729,45,EXACT,AG-GT
2779502,2779608,107,EXACT,AG-GT
2779934,2779991,58,EXACT,AG-GT
2780320,2780355,36,EXACT,AG-GT
2780910,2781116,207,EXACT,AG-GT
2781747,2781992,246,START: end 345 AG-GT (ref:AC-GT)<< Possible error
2782823,2783029,207,EXACT,AG-GT
2783439,2783504,66,EXACT,AG-GT
2783941,2784017,77,EXACT,AG-GT
2784438,2784954,517,START: end 138 AG-GT (ref:AC-GT)<< Possible error
2785418,2785867,450,EXACT,AG-GT
2786127,2786522,396,EXACT,AG-GT
2787234,2787302,69,EXACT,AG-GT
2787690,2788017,328,EXACT,AG-GT
2788353,2788393,41,EXACT,AG-GT
2789068,2789094,27,EXACT,AG-GT
2789904,2790189,286,EXACT,AG-GT
2790939,2791163,225,EXACT,AG-GT
2791461,2791624,164,EXACT,AG-GT
2792268,2792465,198,EXACT,AG-GT
2793000,2793023,24,EXACT,AG-GT
2794961,2795167,207,EXACT,GT
2796083,2796115,33
2796590,2797045,456
2798476,2798766,291
2799475,2799777,303
2800544,2800579,36
2801204,2801317,114
2801744,2801767,24,END: start -1 AG (ref:AC-GT)<< Possible error

2802510,2802785,276,EXACT,ATG:AG-GT
2803476,2803790,315,START: end 156 GT
2804177,2804209,33,END: start -16 AG
2804783,2805022,240,START: end 5 GT
2805703,2805946,244,END: start -121 AG
2806308,2806535,228,EXACT,AG-GT
2807018,2807186,169,START: end 223 AG-GT (ref:AC-GT)<< Possible error
2807656,2807816,161,START:EXACT
ID=NCLIV_063740 - 5 A..ATG
2809811,2809974,164,END:EXACT
2810332,2810746,415,START: end 6 AG-GT
2811065,2811285,221,END: start 83 AG
2811622,2811951,330,EXACT,AG-GT
2812284,2812506,223,START:Ends:2813136-2814988-
ID=NCLIV_063770 - 13 GCCATGC
2826213,2826281,69,END:Starts:2826192-2826114-
2826603,2826650,48,EXACT,AG-GT
2827122,2827196,75,START: end 435 AG-GT
2827416,2827631,216,END: start -294 AG-GT
2827988,2828074,87,START: end -58 GT
2828702,2828805,104
2829441,2829550,110
2829882,2829960,79,EXACT,GT
2830120,2830178,59
2830492,2830573,82
2830794,2830857,64
2831271,2831355,85,END: start 1 AG
2831811,2832598,788,OVER:Ends:2833253-2832900-
ID=NCLIV_063790 - 5 [CT]..ATG[ACT]
2842817,2842864,48
2843521,2844602,1082
2844969,2845923,955
2846794,2850581,3788
2852427,2852436,10
ID=NCLIV_063810 - 7 CTGATGG
2867253,2867364,112,END:Starts:2863316-2863051-2863282-
2867973,2868040,68,EXACT,AG-GT
2868434,2868515,82,EXACT,AG-GT
2868819,2868958,140,EXACT,AG-GT
2869255,2869329,75,EXACT,AG-GT
2870056,2870117,62
2870596,2872603,2008,START:Ends:2873191-2873135-2873192-
ID=NCLIV_063830 - 5 A..ATG
2880297,2880464,168,END:Ends:2880466-2880463-2880464-
2880589,2880744,156
2880843,2880911,69,EXACT,AG
2881157,2881363,207,START: end 29 GT
2881481,2882227,747
ID=NCLIV_063840 - 21 GCCATGC
2884626,2884679,54,END:Starts:2884030-2883819-2883963-
2885010,2885097,88,START: end 4 GT (ref:AC-GT)<< Possible error
2885499,2885602,104,END: start -1 AG (ref:AC-GT)<< Possible error
2885859,2885939,81,EXACT,AG-GT
2886492,2886563,72,EXACT,AG-GT
2886780,2886880,101,EXACT,AG-GT
2887183,2887367,185,EXACT,AG-GT
2887746,2888011,266,EXACT,AG-GT
2888465,2888518,54,EXACT,AG-GT
2889147,2889376,230,EXACT,AG-GT
2889803,2889897,95,EXACT,AG-GT

2890361,2890607,247,EXACT,AG-GT
2891026,2891150,125,EXACT,AG-GT
2891565,2891744,180,EXACT,AG-GT
2892186,2892799,614,EXACT,AG-GT
2893256,2893316,61,EXACT,GT
2893893,2893990,98,EXACT,AG-GT
2894392,2894456,65,EXACT,AG-GT
2894775,2895027,253,EXACT,AG-GT
2895539,2897275,1737,EXACT,AG-GT
2897608,2898495,888,START:Ends:2898817-2898815-
ID=NCLIV_063860 - 4 A..ATG
2903557,2903784,228,END:Starts:2902592-2903386-2903177-
2904368,2904454,87,EXACT,AG-GT
2904577,2904764,188,EXACT,AG-GT
2905184,2905433,250,START:Ends:2906051-2905575-2906010-
ID=NCLIV_063870 - 1 A..ATG
2907903,2908865,963
ID=NCLIV_063890 - 7 A..ATG
2926025,2926695,671,END:Starts:2924904-2925456-
2927003,2927050,48,EXACT,AG-GT
2927569,2927643,75,EXACT,AG-GT
2928248,2928355,108,START: end 18 GT
2929285,2929459,175
2929832,2930085,254
2930324,2932415,2092
ID=NCLIV_063900 - 8 A..ATG
2936849,2937111,263,END:Starts:2936792-2936805-
2937545,2937914,370,OVER: start -18 and end 1623 GC
2938130,2939895,1766
2941182,2941659,478,START: end -278 GT
2942317,2942408,92,END: start 7 AG
2943005,2943710,706,START: end 1093 GT
2944206,2944492,287,OVER: start -1201 and end 311 GT
2944959,2944971,13
ID=NCLIV_063920 - 2 A..ATG
2965177,2968623,3447,END:Starts:2964434-2962261-2962341-
2968907,2977435,8529,START:Ends:2979716-2979982-2977531-
ID=NCLIV_063940 - 2 GCGATGT
2993108,2995326,2219,END:Starts:2993852-2995150-2995068-
2995552,2997691,2140,START:Ends:2995787-2996380-2997900-
ID=NCLIV_063970 - 15 GGGATGA
3019556,3019813,258,END:Starts:3018656-3018639-3018658-
3020163,3020231,69,EXACT,AG-GT
3020516,3020605,90,EXACT,AG-GT
3020748,3020925,178,EXACT,AG-GT
3021254,3021402,149,EXACT,AG-GT
3021892,3022014,123,EXACT,AG-GT
3022398,3022924,527,START: end -111 AG-GT
3022987,3023056,70,EXACT,AG-GT
3023692,3023766,75,EXACT,AG-GT
3024242,3024342,101,EXACT,AG-GT
3024825,3024905,81,EXACT,AG-GT
3025324,3025480,157,EXACT,AG-GT
3025837,3026245,409,EXACT,AG-GT
3026827,3026926,100
3027402,3027501,100
ID=NCLIV_063990 - 4 [CT]..ATG[ACT]
3036295,3036654,360,END:Starts:3034223-3034252-3034241-
3037118,3037279,162,EXACT,AG-GT
3038201,3038258,58,EXACT,AG-GT

3038807,3038859,53,START:Ends:3040512-3040353-3039104-
ID=NCLIV_064010 - 21 G..ATGG
3050790,3050858,69
3051361,3051445,85
3051953,3052295,343
3052962,3053075,114
3053557,3053632,76
3054194,3054342,149
3055014,3055068,55
3055611,3055673,63
3056160,3056252,93
3056723,3056801,79
3057403,3057504,102
3057840,3057891,52
3058390,3058439,50
3058740,3058811,72
3059378,3059430,53
3059919,3060058,140
3060456,3060751,296
3061132,3061182,51
3061684,3061947,264
3062270,3062323,54
3063323,3063441,119
ID=NCLIV_064020 - 8 G..ATGG
3065710,3065920,211,END:Starts:3065001-3065009-3064916-
3066256,3066327,72,EXACT,AG-GT
3066728,3066831,104,EXACT,AG-GT
3067140,3067258,119,EXACT,ATG:AG-GT
3067638,3067742,105,EXACT,AG-GT
3068230,3068302,73,EXACT,GT
3068850,3068920,71
3069238,3069340,103
ID=NCLIV_064040 - 5 A..ATG
3075600,3075794,195
3076106,3076228,123
3076661,3076706,46
3077319,3077395,77
3077547,3078542,996
ID=NCLIV_064060 - 5 A..ATG
3083060,3083201,142,END:Starts:3082278-3082253-3082910-
3083736,3083838,103,EXACT,AG-GT
3084109,3084255,147,EXACT,AG-GT
3084775,3084890,116,EXACT,AG-GT
3085268,3085338,71,START:Ends:3086265-3086253-3086264-
ID=NCLIV_064080 - 1 TCTATGG
3094996,3095325,330
ID=NCLIV_064100 - 4 A..ATG
3103960,3104111,152,END:Starts:3102853-3102778-3102673-
3104682,3105216,535,EXACT,AG-GT
3105420,3105552,133,EXACT,AG-GT
3105860,3106557,698,START:Ends:3108129-3107959-3108342-
ID=NCLIV_064110 - 10 A..ATG
3110313,3111104,792,END:Starts:3109209-3109863-3109134-
3111430,3111481,52,EXACT,AG-GT
3111935,3112002,68,EXACT,AG-GT
3112265,3112378,114,EXACT,AG-GT
3112778,3113392,615,EXACT,AG-GT
3113879,3114139,261,EXACT,AG-GT
3114320,3114556,237,EXACT,AG-GT
3114852,3115190,339,EXACT,AG-GT

3115377,3115517,141,EXACT,AG-GT
3115950,3116261,312,START:Ends:3116819-3116899-3117014-
ID=NCLIV_064130 - 3 GCCATGT
3125593,3126203,611,END:Starts:3125155-3125150-
3126646,3126915,270,START: end -53 GT
3127266,3127842,577
ID=NCLIV_064140 - 16 A..ATG
3129906,3130423,518,END:Starts:3127266-3129319-3129147-
3130921,3130994,74,START: end 1 GT
3131363,3131562,200,END: start 1 AG (ref:AC-GT)<< Possible error
3131992,3132218,227,EXACT,AG-GT
3132585,3132936,352,EXACT,AG-GT
3133303,3133539,237,EXACT,AG-GT
3134006,3134133,128,EXACT,AG-GT
3134553,3134659,107,EXACT,AG-GT
3134965,3135034,70,EXACT,AG-GT
3135808,3136051,244,EXACT,AG-GT
3136387,3136468,82,EXACT,AG-GT
3136994,3137223,230,START: end 829 AG-GT
3137585,3138923,1339
3139315,3139440,126
3139962,3141742,1781
3142220,3142438,219
ID=NCLIV_064160 - 6 CAAATGG
3152343,3153128,786
3153917,3153993,77
3154735,3154822,88
3155230,3156900,1671
3157248,3157276,29
3158361,3159291,931
ID=NCLIV_064200 - 1 A..ATG
3179309,3180070,762
ID=NCLIV_064230 - 4 A..ATG
3196340,3196432,93,END:Starts:3195325-3195373-3195195-
3196692,3196882,191,EXACT,AG-GT
3197402,3197440,39,EXACT,AG-GT
3198319,3198334,16,START:Ends:3199032-3199117-3199047-
ID=NCLIV_064270 - 2 CCTATGG
3228159,3228292,134,END:Starts:3227629-3227395-
3228495,3230445,1951,START:Ends:3230615-3230609-
ID=NCLIV_064290 - 1 A..ATG
3240277,3241449,1173
ID=NCLIV_064330 - 4 G..ATGG
3258252,3258638,387,END:Starts:3257880-3257877-3257844-
3258806,3258891,86,EXACT,ATG:AG-GT
3259232,3259382,151,EXACT,AG-GT
3259571,3259690,120,START:Ends:3260154-3260220-3260155-
ID=NCLIV_064350 - 5 A..ATG
3262009,3262076,68
3262131,3262329,199
3262387,3262528,142
3262583,3262716,134
3262775,3262834,60
ID=NCLIV_064360 - 4 A..ATG
3263737,3263891,155,END:Starts:3263693-3263659-3263681-
3264010,3264151,142,EXACT,AG-GT
3264277,3264389,113,START: end 102 GT
3264773,3264788,16
ID=NCLIV_064370 - 6 A..ATG
3266738,3266833,96,END:Starts:3266498-3266546-

3266965,3267177,213,EXACT,AG-GT
3267375,3267660,286,EXACT,AG-GT
3267834,3267988,155,EXACT,AG-GT
3268451,3268573,123,END: start -183 GT
3268863,3268928,66,START:Ends:3269476-3269010-
ID=NCLIV_064380 - 4 A..ATG
3273332,3273997,666,END:Starts:3271125-3270897-
3274832,3275301,470,EXACT,AG-GT
3275628,3275761,134,EXACT,AG-GT
3276276,3277249,974,START:Ends:3278346-3279512-
ID=NCLIV_064430 - 8 GCAATGT
3308475,3308698,224
3309036,3309215,180
3309891,3310072,182
3310584,3310694,111
3311383,3311627,245
3313899,3314366,468
3315062,3315176,115
3315813,3315847,35
ID=NCLIV_064450 - 3 A..ATG
3323268,3323395,128,END:Starts:3322673-3322913-3322670-
3324076,3324167,92,EXACT,AG-GT
3324612,3324763,152,START:EXACT
ID=NCLIV_064470 - 12 G..ATGG
3330809,3333835,3027,END:Starts:3330442-3330581-3329973-
3334064,3336126,2063,EXACT,AG-GT
3336800,3341678,4879,EXACT,AG-GT
3342051,3343709,1659,START: end -1451 GT
3344009,3344632,624,EXACT,GT
3345035,3345538,504,EXACT,AG-GT
3346066,3347229,1164,EXACT,AG-GT
3347645,3353190,5546,END: start 5169 AG
3353806,3355787,1982,START: end 802 Info:AG-GC-AG-GT-
3356358,3356589,232,END: start -2552 Info:AG-GC-AG-GT-
3357024,3370157,13134,START: end -13065 GT
3370356,3370653,298
ID=NCLIV_064480 - 4 A..ATG
3373316,3373657,342
3373895,3374112,218,END: start 10 AG (ref:AC-GT)<< Possible error
3374505,3374661,157,EXACT,TAG|TGAITAA:AG-GT
3375055,3375204,150,START:Ends:3376074-3375641-
ID=NCLIV_064490 - 15 CAGATGG
3378628,3378768,141,END:Starts:3378257-3378446-3378332-
3379369,3379824,456,EXACT,AG-GT
3380625,3380898,274,EXACT,AG-GT
3381262,3381589,328,EXACT,AG-GT
3381930,3382047,118,EXACT,AG-GT
3382400,3382659,260,EXACT,AG-GT
3383100,3383373,274,EXACT,AG-GT
3383661,3383748,88,EXACT,AG-GT
3384184,3384263,80,EXACT,AG-GT
3384648,3384966,319,EXACT,AG-GT
3385536,3385849,314,EXACT,AG-GT
3386418,3386531,114,EXACT,AG-GT
3386897,3387277,381,START: end 246 AG-GT
3387783,3388276,494,EXACT,AG-GT
3388643,3390182,1540,START:Ends:3391982-3388923-3389748-
ID=NCLIV_064500 - 13 [CT]..ATG[ACT]
3392297,3392759,463
3393237,3393630,394,END: start 280 AG

3394058,3394266,209,EXACT,AG-GT
3394844,3397236,2393,START: end -1431 GT
3397625,3398567,943
3399057,3399360,304,END: start 199 AG (ref:AC-GT)<< Possible error
3399886,3401563,1678,START: end -754 GT
3402114,3402553,440
3402971,3403141,171
3403689,3403968,280
3404708,3409829,5122
3410324,3410440,117
3411248,3411903,656
ID=NCLIV_064520 - 15 CTCATGG
3423875,3424124,250
3424425,3424518,94,EXACT,AG-GT
3424843,3425328,486,EXACT,AG-GT
3425449,3425484,36,EXACT,AG-GT
3426243,3426485,243,EXACT,AG-GT
3426848,3426976,129,EXACT,AG-GT
3427769,3427912,144,END: start -402 AG-GT (ref:AC-GT)<< Possible error
3428366,3428956,591,EXACT,AG-GT
3429210,3429362,153,EXACT,AG-GT
3430351,3430609,259,EXACT,AG-GT
3430813,3430870,58,EXACT,AG-GT
3431246,3431658,413,START: end -15 GT
3431949,3432383,435
3432864,3433122,259
3433411,3433856,446
ID=NCLIV_064530 - 3 A..ATG
3436971,3437095,125,END:Starts:3436670-3436656-3436520-
3437493,3437636,144,EXACT,AG-GT
3438357,3438555,199,START:Ends:3439738-3442583-3442619-
ID=NCLIV_064550 - 3 A..ATG
3444899,3445221,323
3445496,3445551,56,END: start 20 AG
3446091,3446551,461,START:Ends:3446877-3446857-
ID=NCLIV_064560 - 3 CAGTCTC
3448837,3449230,394
3451104,3451299,196
3451529,3451610,82
ID=NCLIV_064570 - 9 A..ATG
3453523,3453827,305,END:Starts:3452801-3452753-3452667-
3453917,3454061,145,START: end -39 AG-GT (ref:AC-GT)<< Possible error
3454480,3454560,81,EXACT,AG-GT
3455092,3455205,114,EXACT,AG-GT
3455829,3455932,104,EXACT,AG-GT
3456161,3456220,60,EXACT,AG-GT
3456600,3456912,313,EXACT,ATG:AG-GT
3457262,3457299,38,EXACT,AG-GT
3457643,3457688,46,START:Ends:3458569-3458380-3458573-
ID=NCLIV_064590 - 5 A..ATG
3463451,3463512,62,END:Starts:3459908-3462921-3462641-
3463815,3463936,122,EXACT,AG-GT
3464483,3464585,103,EXACT,AG-GT
3464940,3466106,1167,START: end 360 GT
3466678,3466882,205
ID=NCLIV_064600 - 11 [CT]..ATG[ACT]
3470994,3471148,155,END:Starts:3469460-3469426-
3471609,3471729,121,EXACT,AG-GT
3472248,3472417,170,EXACT,AG-GT
3472671,3473505,835,EXACT,AG-GT

3474042,3474154,113,EXACT,AG-GT
 3474500,3474554,55,START: end 60 AG-GT (ref:AC-GT)<< Possible error
 3475376,3475438,63,START: end 736 AG-GT (ref:AC-GT)<< Possible error
 3476085,3476174,90,END: start -709 AG-GT (ref:AC-GT)<< Possible error
 3476799,3476920,122,EXACT,AG-GT
 3477217,3477351,135,EXACT,AG-GT
 3477774,3478350,577,START:Ends:3481643-3479007-3482195-
 ID=NCLIV_064620 - 10 A..ATG
 3486785,3488718,1934,END:Starts:3485451-3485316-
 3489194,3489343,150,EXACT,AG-GT
 3489761,3489985,225,EXACT,AG-GT
 3490748,3490957,210,START: end -9 AG-GT
 3491391,3491471,81,END: start -79 AG
 3492029,3492136,108,EXACT,AG-GT
 3492371,3492595,225,START: end 830 AG
 3493132,3493425,294,END: start -761 AG
 3493873,3494517,645,EXACT,AG-GT
 3494695,3495262,568,START:Ends:3496824-3495888-3496305-
 ID=NCLIV_064640 - 2 A..ATG
 3504174,3504533,360,END:Starts:3502551-3502836-3503723-
 3504938,3505105,168,START:Ends:3506414-3506400-3506566-
 ID=NCLIV_064650 - 2 A..ATG
 3517453,3517640,188,END:EXACT
 3518259,3518544,286,START:Ends:3518847-3518822-3518860-
 ID=NCLIV_064660 - 5 G..ATGG
 3522092,3522342,251,END:Starts:3519057-3519527-3519684-
 3522885,3523013,129,EXACT,AG-GT
 3523559,3523726,168,EXACT,AG-GT
 3523998,3524077,80,EXACT,AG-GT
 3524452,3524519,68,START:EXACT
 ID=NCLIV_064670 - 10 A..ATG
 3529604,3529706,103,OVER:Starts:3530080-3528692-
 3530083,3530472,390,END: start -1391 AG
 3530827,3530946,120,EXACT,AG-GT
 3531456,3531604,149,EXACT,AG-GT
 3532230,3532331,102,EXACT,AG-GT
 3532750,3532851,102,EXACT,AG-GT
 3533212,3533339,128,EXACT,AG-GT
 3533644,3533756,113,EXACT,GT
 3534347,3535656,1310
 3536044,3536100,57
 ID=NCLIV_064690 - 4 A..ATG
 3549765,3550086,322,END:Starts:3549015-3547767-
 3550646,3550765,120,EXACT,GT
 3551297,3551555,259
 3551904,3552030,127
 ID=NCLIV_064710 - 1 A..ATG
 3560476,3561333,858
 ID=NCLIV_064720 - 3 [CT]..ATG[ACT]
 3564607,3564783,177,END:Starts:3559891-3564065-3562456-
 3565293,3565361,69,EXACT,AG-GT
 3565652,3566422,771,START:Ends:3568116-3567054-3568127-
 ID=NCLIV_064760 - 9 A..ATG
 3588506,3588595,90,END:Starts:3588350-3588347-3588375-
 3588927,3588994,68,EXACT,AG-GT
 3589181,3589463,283,EXACT,AG-GT
 3589682,3589911,230,EXACT,AG-GT
 3590502,3590601,100,EXACT,AG-GT
 3591070,3591162,93,EXACT,AG-GT
 3591838,3591975,138,EXACT,AG-GT

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3592459,3592549,91,EXACT,ATG:AG-GT
3593033,3593190,158,START:EXACT
ID=NCLIV_064780 - 10 A..ATG
3602648,3602710,63
3602779,3602880,102,EXACT,AG-GT
3603178,3603338,161,EXACT,AG-GT
3603513,3603582,70,EXACT,AG-GT
3604013,3604150,138,EXACT,AG-GT
3604519,3604702,184,EXACT,AG-GT
3604855,3604979,125,EXACT,AG-GT
3605228,3605350,123,EXACT,AG-GT
3605516,3605588,73,EXACT,AG-GT
3605917,3606044,128,START:Ends:3607031-3606877-
ID=NCLIV_064800 - 3 A..ATG
3628264,3628347,84,END:Starts:3623320-3627217-
3628924,3628991,68,EXACT,AG-GT
3629438,3629579,142,START:Ends:3630099-3630089-3630098-
ID=NCLIV_064820 - 3 [CT]..ATG[ACT]
3648146,3648232,87,OVER:Starts:3647633-3647603-
3648681,3649446,766,END: start -1078 AG
3650120,3653418,3299,START:Ends:3652835-3652100-
ID=NCLIV_064870 - 5 A..ATG
3690805,3691272,468
3691614,3692203,590
3692427,3692700,274
3693048,3693145,98
3693218,3693395,178
ID=NCLIV_064880 - 7 A..ATG
3695754,3696468,715,END:Starts:3695157-3695161-3695131-
3696826,3697180,355,EXACT,AG-GT
3697549,3697918,370,START: end 474 AG-GT (ref:AC-GT)<< Possible error
3698087,3698392,306,END: start -538 AG-GT (ref:AC-GT)<< Possible error
3698786,3700485,1700,EXACT,AG-GT
3700905,3701082,178,EXACT,AG-GT
3701938,3701982,45,START:Ends:3702451-3702524-
ID=NCLIV_064890 - 18 A..ATG
3705384,3705669,286,END:Starts:3703878-3704318-3703864-
3705876,3705953,78,EXACT,AG-GT
3706491,3706693,203,EXACT,AG-GT
3707155,3707260,106,START: end 336 GT
3707678,3707777,100
3708255,3708386,132,END: start -232 AG
3708902,3709094,193,EXACT,AG-GT
3709679,3709944,266,EXACT,AG-GT
3710303,3710412,110,EXACT,AG-GT
3711174,3711391,218,EXACT,AG-GT
3711721,3711909,189,START: end 284 GT
3712203,3712304,102
3712667,3712840,174
3713244,3713507,264
3714028,3714156,129
3714632,3714750,119
3715231,3715442,212
3716087,3716592,506
ID=NCLIV_064910 - 6 GCCATGC
3723571,3723810,240,END:Starts:3722957-3722986-3722917-
3724471,3724599,129,EXACT,AG-GT
3725190,3725337,148,EXACT,AG-GT
3725663,3725815,153,EXACT,AG-GT
3726426,3726720,295,START: end -7 GT

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3727181,3727649,469
 ID=NCLIV_064930 - 3 A..ATG
 3733551,3733877,327,END:Starts:3732744-3732987-3732875-
 3734507,3734690,184,EXACT,AG-GT
 3735374,3735594,221,START:Ends:3736627-3736547-3736589-
 ID=NCLIV_064960 - 1 A..ATG
 3752171,3753190,1020
 ID=NCLIV_064970 - 22 G..ATGG
 3757751,3757806,56,END:Starts:3756023-3756071-
 3757971,3758086,116,EXACT,AG-GT
 3758548,3758691,144,EXACT,AG-GT
 3759078,3759132,55,EXACT,AG-GT
 3759556,3759691,136,START: end -15 GT
 3760300,3760435,136
 3760816,3760930,115,END: start 10 AG
 3761229,3761339,111,EXACT,AG-GT
 3761732,3761792,61,EXACT,AG-GT
 3762062,3762781,720,EXACT,AG-GT
 3763450,3763565,116,EXACT,AG-GT
 3764083,3764194,112,EXACT,AG-GT
 3764518,3764706,189,EXACT,AG-GT
 3765114,3765278,165,EXACT,AG-GT
 3765765,3765868,104,START: end 163 GT
 3766142,3766229,88,END: start 38 ATG:AG-GT
 3768430,3768566,137,EXACT,AG-GT
 3769174,3769297,124,EXACT,AG-GT
 3769960,3770037,78,EXACT,AG-GT
 3770579,3770634,56,EXACT,AG-GT
 3770720,3771062,343,WITHIN: start 207 and end -4 GT
 3771692,3772102,411
 ID=NCLIV_064980 - 4 G..ATGG
 3776475,3777101,627,END:Starts:3775002-3775522-
 3777626,3778021,396,EXACT,AG-GT
 3778590,3778811,222,EXACT,AG-GT
 3779278,3780234,957,START:Ends:3780149-3781263-3781290-
 ID=NCLIV_065010 - 7 A..ATG
 3796752,3796830,79,END:Starts:3796261-3796256-3796297-
 3797381,3797546,166,EXACT,AG-GT
 3798048,3798108,61,EXACT,AG-GT
 3798537,3798667,131,EXACT,AG-GT
 3799260,3799334,75,EXACT,AG-GT
 3799516,3799583,68,EXACT,AG-GT
 3799884,3799936,53,START:EXACT
 ID=NCLIV_065030 - 4 GCCATGC
 3811176,3811400,225,END:Starts:3810681-3810696-
 3811596,3812825,1230,START: end 48 AG-GT
 3813556,3813731,176,START: end -25 GT
 3814001,3815228,1228
 ID=NCLIV_065040 - 5 CAAATGG
 3820106,3821420,1315,END:Starts:3819407-3819510-3819456-
 3821847,3821903,57,EXACT,AG-GT
 3822512,3822577,66,EXACT,AG-GT
 3822852,3822895,44,EXACT,AG-GT
 3823549,3823581,33,START:Ends:3823901-3823899-
 ID=NCLIV_065050 - 3 GCCATGA
 3825870,3826059,190,END:Starts:3824921-3824639-
 3826743,3826835,93,OVER: start -6 and end 4 AG-GT (ref:AC-GT)<< Possible error
 3827592,3828781,1190
 ID=NCLIV_065060 - 6 GCGATGC
 3831435,3831907,473,END:Starts:3830698-3830801-3830836-

3832514,3832569,56,EXACT,AG-GT
3832719,3832784,66,EXACT,AG-GT
3833362,3833422,61,EXACT,AG-GT
3834036,3834151,116,END: start -288 AG-GT (ref:AC-GT)<< Possible error
3834361,3834680,320,START:Ends:3835258-3835251-3835308-
ID=NCLIV_065100 - 1 A..ATG
3851568,3853721,2154
ID=NCLIV_065110 - 1 G..ATGG
3856138,3857715,1578
ID=NCLIV_065140 - 2 A..ATG
3880454,3880686,233,END:Starts:3878841-3878844-3878784-
3880879,3882169,1291,START:Ends:3883209-3883223-3883815-
ID=NCLIV_065150 - 4 A..ATG
3885247,3885420,174,END:Starts:3884471-3884428-3884495-
3885620,3887465,1846,START: end 846 AG-GT
3888125,3888311,187,END: start -2505 AG-GT
3888861,3889464,604,START:Ends:3889875-3889886-
ID=NCLIV_065160 - 2 A..ATG
3894224,3894576,353
3894979,3895189,211
ID=NCLIV_065180 - 11 A..ATG
3902327,3902418,92,END:Starts:3899987-3901709-3900158-
3902975,3903266,292,EXACT,AG-GT
3903599,3903760,162,EXACT,AG-GT
3904712,3904748,37,EXACT,AG-GT
3905009,3905080,72,EXACT,AG-GT
3905518,3905580,63,EXACT,AG-GT
3905866,3906095,230,EXACT,AG-GT
3906303,3906421,119,EXACT,AG-GT
3906603,3906790,188,EXACT,AG-GT
3907212,3907431,220,EXACT,AG-GT
3907636,3908698,1063,START:Ends:3909568-3909753-3909570-
ID=NCLIV_065190 - 5 GAAATGA
3911662,3912448,787,END:Starts:3910588-3910579-
3912840,3912895,56,START: end -3 GT
3913148,3913308,161,END: start 5 AG
3913797,3913857,61,EXACT,AG-GT
3914512,3914808,297,START:Ends:3917260-3916047-
ID=NCLIV_065203 - 4 A..ATG
3919914,3920030,117
3920768,3921259,492
3921338,3921416,79
3921893,3921927,35
ID=NCLIV_065205 - 5 A..ATG
3925342,3925412,71
3925645,3925722,78
3925953,3926076,124
3926409,3926453,45
3927262,3927282,21
ID=NCLIV_065240 - 8 G..ATGG
3951756,3952000,245,END:EXACT
3952450,3952549,100,EXACT,AG-GT
3952935,3953027,93,EXACT,AG-GT
3953460,3953549,90,EXACT,AG-GT
3953759,3953919,161,EXACT,AG-GT
3954259,3954367,109,EXACT,AG-GT
3954815,3954968,154,EXACT,AG-GT
3955500,3955597,98,START:Ends:3955686-3955691-3955687-
ID=NCLIV_065260 - 11 GAAATGA
3965329,3965483,155,END:Starts:3965450-3964459-

3965713,3965800,88
3966137,3968690,2554
3969005,3969052,48
3969467,3969519,53
3970004,3970064,61
3970390,3970607,218
3971271,3971351,81
3971647,3971693,47,EXACT,AG
3971979,3972133,155,EXACT,AG-GT
3972693,3972901,209,START:Ends:3974562-3972885-
ID=NCLIV_065270 - 6 A..ATG
3977210,3977534,325,END:Starts:3976529-3976496-3976470-
3978087,3978221,135,EXACT,AG-GT
3978437,3978552,116,EXACT,AG-GT
3978933,3979121,189,EXACT,AG-GT
3979823,3979960,138,EXACT,AG-GT
3980370,3981101,732,START:Ends:3982080-3981342-3982075-
ID=NCLIV_065290 - 4 A..ATG
3988383,3991148,2766,END:Starts:3987333-3987359-3987301-
3991548,3992465,918,START: end 4 GT
3992886,3993455,570,EXACT,AG
3993851,3996763,2913,START:EXACT
ID=NCLIV_065300 - 5 A..ATG
4004574,4004613,40,OVER:Starts:4002602-4000919-4000706-
4004903,4005738,836,END: start -3984 AG (ref:AC-GT)<< Possible error
4006196,4006639,444,EXACT,AG-GT
4006938,4007091,154,START: end 80 GT
4007815,4008215,401
ID=NCLIV_065320 - 1 GCAATGA
4013104,4013961,858
ID=NCLIV_065330 - 7 CCAATGG
4015905,4017631,1727
4018182,4018348,167
4018646,4021132,2487,END: start 1548 AG
4021584,4021956,373,EXACT,GT
4022546,4022708,163
4023205,4025654,2450
4026142,4030450,4309
ID=NCLIV_065340 - 6 A..ATG
4032286,4032312,27,END:Starts:4031688-4031670-4031687-
4032494,4032549,56,EXACT,AG-GT
4033175,4033244,70,EXACT,AG-GT
4033501,4033912,412,START: end 74 GT
4034512,4034516,5
4034884,4035006,123
ID=NCLIV_065370 - 4 G..ATGG
4064364,4064726,363
4065132,4065681,550
4066118,4066356,239
4066972,4068306,1335
ID=NCLIV_065390 - 10 GCAATGC
4080315,4080398,84,END:EXACT
4080940,4081250,311,EXACT,AG-GT
4081737,4081829,93,EXACT,AG-GT
4082244,4082385,142,EXACT,AG-GT
4082617,4082836,220,END: start 147 AG-GC (ref:AC-GT)<< Possible error
4083207,4083300,94,EXACT,AG-GT
4083777,4084023,247,EXACT,AG-GT
4084252,4084589,338,START: end 2 GT
4085166,4085302,137

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4085794,4086200,407
ID=NCLIV_065400 - 1 A..ATG
4088009,4088824,816
ID=NCLIV_065430 - 8 GCCATGT
4104009,4104209,201
4104548,4104690,143
4105017,4105199,183
4105538,4106848,1311
4107089,4107844,756
4108235,4108404,170
4108715,4108889,175
4109371,4109467,97
ID=NCLIV_065440 - 3 A..ATG
4111435,4111700,266,END:Starts:4111168-4111240-4111186-
4112021,4112125,105,EXACT,AG-GT
4113035,4113113,79,START:Ends:4113379-4114101-4115305-
ID=NCLIV_065460 - 13 CCCATGG
4121386,4124060,2675
4124574,4125086,513
4125335,4125408,74
4125945,4126100,156
4126392,4126458,67
4126923,4126975,53
4127233,4127402,170
4127688,4128166,479
4128772,4128868,97,END: start -16 AG
4129043,4129176,134,START: end 93 GT
4129749,4129793,45
4130237,4130584,348,END: start -429 AG
4130759,4131923,1165
ID=NCLIV_065480 - 1 TGGATGG
4142102,4142863,762
ID=NCLIV_065490 - 7 CAGATGG
4144704,4146134,1431
4146762,4146845,84
4147501,4147563,63
4147982,4148274,293
4148452,4148616,165
4149085,4149208,124
4149473,4149535,63
ID=NCLIV_065520 - 8 A..ATG
4168959,4169150,192,OVER:Starts:4168008-4169582-4167874-
4169571,4170071,501,END: start -1563 AG (ref:AC-GT)<< Possible error
4170278,4170835,558,EXACT,AG-GT
4171292,4171783,492,EXACT,AG-GT
4172115,4172574,460,EXACT,AG-GT
4172975,4173079,105,EXACT,AG-GT
4173752,4173839,88,EXACT,AG-GT
4174305,4175013,709,START:EXACT
ID=NCLIV_065530 - 4 A..ATG
4177730,4178127,398
4178749,4178910,162
4179214,4179422,209
4179828,4180399,572
ID=NCLIV_065540 - 1 A..ATG
4183293,4186169,2877,OVER:Ends:4186690-4186558-
ID=NCLIV_065550 - 8 G..ATGG
4188489,4188593,105,END:Starts:4187782-4187837-4187811-
4189015,4189072,58,EXACT,AG-GT
4189480,4189584,105,EXACT,AG-GT

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4190053,4190137,85,EXACT,AG-GT
 4190467,4190588,122,EXACT,AG-GT
 4190994,4191086,93,EXACT,AG-GT
 4191290,4191598,309,EXACT,GT
 4192189,4192457,269
 ID=NCLIV_065570 - 2 [CT]..ATG[ACT]
 4209243,4209490,248,END:Starts:4208438-4208467-
 4209802,4209895,94,START:EXACT
 ID=NCLIV_065600 - 1 A..ATG
 4232070,4233617,1548
 ID=NCLIV_065610 - 2 G..ATGG
 4238540,4240732,2193,END:Starts:4238549-4238536-4238552-
 4241040,4244240,3201,START:Ends:4242907-4242177-4242858-
 ID=NCLIV_065620 - 2 [CT]..ATG[ACT]
 4246999,4247379,381,END:Starts:4246935-4246879-4246757-
 4248379,4250892,2514,START:Ends:4251713-4251828-4251727-
 ID=NCLIV_065640 - 5 A..ATG
 4263473,4264500,1028,END:Starts:4258185-4263117-4262311-
 4264869,4264960,92,START: end 559 AG-GT
 4265504,4265519,16,END: start -635 AG-GT
 4266044,4266132,89,END: start -394 AG-GT (ref:AC-GT)<< Possible error
 4266695,4267086,392,START:Ends:4268287-4268269-4267693-
 ID=NCLIV_065660 - 7 [CT]..ATG[ACT]
 4275884,4276319,436,END:Starts:4275674-4275628-
 4276914,4276962,49,EXACT,AG-GT
 4277330,4277930,601,EXACT,AG-GT
 4278555,4278682,128,EXACT,AG-GT
 4278880,4279324,445,EXACT,AG-GT
 4279810,4281567,1758,START: end -1149 GT
 4282152,4283993,1842
 ID=NCLIV_065700 - 4 A..ATG
 4310767,4313228,2462,END:Starts:4309325-4309310-
 4313726,4313862,137,EXACT,AG-GT
 4314341,4314561,221,START: end -40 GT
 4315201,4317528,2328
 ID=NCLIV_065730 - 12 A..ATG
 4348459,4348499,41,END:EXACT
 4348954,4348980,27,EXACT,AG-GT
 4349436,4349462,27
 4350183,4350209,27
 4350715,4350741,27
 4351196,4351222,27,EXACT,AG-GT
 4351470,4351496,27,EXACT,AG-GT
 4352783,4352812,30
 4354166,4354192,27,EXACT,AG-GT
 4354620,4354664,45,EXACT,AG-GT
 4355344,4355422,79,EXACT,AG-GT
 4356218,4356472,255,START:Ends:4357467-4357283-4357229-
 ID=NCLIV_065760 - 3 A..ATG
 4376483,4376578,96,END:Starts:4374326-4374343-4374324-
 4376907,4377220,314,EXACT,AG-GT
 4377496,4379464,1969,START:Ends:4381123-4381096-4381130-
 ID=NCLIV_065770 - 13 G..ATGG
 4383565,4383735,171,END:Starts:4383108-4383081-4382320-
 4384490,4384633,144,EXACT,AG-GT
 4384747,4384858,112,EXACT,AG-GT
 4384984,4385050,67,EXACT,AG-GT
 4385287,4385384,98,EXACT,AG-GT
 4385944,4387010,1067,EXACT,AG-GT
 4387702,4387860,159,EXACT,AG-GT

4388108,4388296,189,EXACT,AG-GT
4388666,4388786,121,START: end -6 GT
4389351,4389583,233,END: start -3 AG (ref:AC-GT)<< Possible error
4389949,4390203,255,EXACT,AG-GT
4391163,4391344,182,EXACT,AG-GT
4391550,4392405,856,START:Ends:4393269-4393283-
ID=NCLIV_065790 - 8 GCGATGA
4401566,4401620,55
4402098,4402160,63,START: end 57 GT
4402505,4402673,169
4403469,4403563,95
4403766,4403950,185
4404446,4404535,90
4404945,4405012,68
4405349,4405721,373
ID=NCLIV_065850 - 2 A..ATG
4441275,4441547,273,END:EXACT
4442171,4442410,240,START:Ends:4442542-4442954-4442934-
ID=NCLIV_065860 - 18 A..ATG
4444893,4445006,114,END:Starts:4444095-4443987-4443951-
4445329,4445382,54,START: end 133 GT
4445786,4445932,147,END: start -140 AG (ref:AC-GT)<< Possible error
4446364,4446433,70,EXACT,AG-GT
4446811,4446920,110,EXACT,AG-GT
4447493,4447609,117,EXACT,AG-GT
4448254,4448385,132,EXACT,AG-GT
4448727,4448919,193,EXACT,AG-GT
4449266,4449309,44,EXACT,AG-GT
4449413,4449550,138,EXACT,AG-GT
4450193,4450518,326,EXACT,AG-GT
4451121,4451204,84,EXACT,AG-GT
4451594,4451675,82,EXACT,AG-GT
4452031,4452203,173,EXACT,AG-GT
4452502,4452573,72,EXACT,AG-GT
4453191,4453245,55,EXACT,AG-GT
4453698,4454000,303,EXACT,AG-GT
4454576,4455028,453,OVER:Ends:4456139-4456137-
ID=NCLIV_065880 - 1 TCGATGG
4461265,4461831,567
ID=NCLIV_065890 - 5 A..ATG
4463552,4463653,102,END:Starts:4463409-4463414-4463377-
4464096,4464173,78,EXACT,AG-GT
4464804,4464892,89,EXACT,AG-GT
4465166,4465253,88,EXACT,AG-GT
4465916,4466062,147,START:EXACT
ID=NCLIV_065910 - 1 A..ATG
4472695,4473624,930
ID=NCLIV_065930 - 1 A..ATG
4479991,4482660,2670
ID=NCLIV_065950 - 10 A..ATG
4510173,4510313,141,END:Starts:4508845-4509944-4509621-
4510789,4510933,145,EXACT,AG-GT
4511329,4511873,545,EXACT,AG-GT
4512218,4512334,117,EXACT,AG-GT
4513062,4513549,488,EXACT,AG-GT
4514269,4514392,124,EXACT,GT
4515138,4515244,107
4515557,4515725,169
4516239,4516317,79
4516662,4516693,32

ID=NCLIV_065980 - 16 A..ATG
 4574567,4574620,54,END:Starts:4573721-4573753-4573718-
 4574757,4574879,123,EXACT,AG-GT
 4575171,4575282,112,EXACT,AG-GT
 4575442,4575560,119,EXACT,AG-GT
 4576077,4576166,90,EXACT,AG-GT
 4576298,4576404,107,EXACT,AG-GT
 4576570,4576657,88,EXACT,AG-GT
 4576906,4576980,75,EXACT,AG-GT
 4577127,4577292,166,START: end 2 GT
 4577701,4577771,71,END: start 2 AG (ref:AC-GT)<< Possible error
 4578099,4578295,197,EXACT,AG-GT
 4578580,4578936,357,EXACT,AG-GT
 4579282,4579860,579,EXACT,AG-GT
 4580538,4580664,127,EXACT,Info:AG to Stop Codon:donor=GA-AG-GT-AG-GC-
 4581322,4581408,87,EXACT,AG-GT
 4581826,4581876,51,START:Ends:4583021-4582366-4583114-
 ID=NCLIV_065990 - 6 A..ATG
 4583606,4583678,73,END:Starts:4583236-4583243-4583239-
 4583977,4584094,118,EXACT,ATG:AG-GT
 4584287,4584887,601,START: end 1082 GT
 4585529,4585633,105,OVER: start -1242 and end 336 GT
 4585988,4586077,90
 4586661,4586750,90
 ID=NCLIV_066010 - 1 A..ATG
 4599940,4604904,4965
 ID=NCLIV_066030 - 2 G..ATGG
 4609737,4610063,327,END:Starts:4609278-4609069-4609443-
 4610677,4610757,81,START:Ends:4611667-4611671-4611690-
 ID=NCLIV_066050 - 4 A..ATG
 4616323,4616336,14,END:Starts:4615992-4615949-4615886-
 4616844,4617005,162,END: start -12 AG-GT (ref:AC-GT)<< Possible error
 4617358,4617453,96,EXACT,AG-GT
 4618265,4618268,4,START:Ends:4618617-4618578-
 ID=NCLIV_066060 - 5 A..ATG
 4621892,4621959,68,END:Starts:4619884-4619583-4618265-
 4622285,4622626,342,EXACT,AG-GT
 4622956,4623058,103,START: end 233 GT
 4623661,4623784,124,END: start 16 AG (ref:AC-GT)<< Possible error
 4624265,4624656,392,START:Ends:4625841-4625775-4625899-
 ID=NCLIV_066070 - 3 [CT]..ATG[ACT]
 4626780,4626911,132
 4627045,4627329,285
 4628260,4628613,354
 ID=NCLIV_066090 - 2 A..ATG
 4634766,4634904,139
 4635202,4636124,923
 ID=NCLIV_066100 - 4 G..ATGG
 4641433,4643127,1695,END:Starts:4641145-4641158-4641093-
 4643392,4643600,209,EXACT,AG-GT
 4644143,4644288,146,EXACT,AG-GT
 4644742,4645199,458,START:Ends:4645989-4645860-4645921-
 ID=NCLIV_066110 - 9 [CT]..ATG[ACT]
 4648013,4648513,501,END:Starts:4646053-4647640-4647653-
 4649081,4649267,187,EXACT,AG-GT
 4650204,4650308,105,EXACT,AG-GT
 4650809,4650869,61,EXACT,AG-GT
 4651616,4651955,340,END: start 29 AG (ref:AC-GT)<< Possible error
 4652502,4652788,287,EXACT,AG-GT
 4653280,4653582,303,EXACT,AG-GT

4654239,4654418,180,EXACT,AG-GT
4654954,4655464,511,START:Ends:4656222-4656197-
ID=NCLIV_066120 - 1 G..ATGG
4658947,4659747,801,OVER:Ends:4660031-4660919-
ID=NCLIV_066130 - 6 [CT]..ATG[ACT]
4664898,4665591,694,END:Starts:4662712-4662711-
4666114,4667070,957,START: end 131 GT
4667515,4667612,98,END: start -81 AG
4668170,4669369,1200,EXACT,GT
4669880,4670276,397,END: start 1 AG (ref:AC-GT)<< Possible error
4670734,4672712,1979,START:Ends:4674837-4672591-4674407-
ID=NCLIV_066150 - 5 [CT]..ATG[ACT]
4678911,4679026,116
4679762,4679867,106
4680101,4680194,94,OVER: start -45 and end 19 AG-GC
4680669,4681198,530,START: end -440 GT
4681504,4681563,60
ID=NCLIV_066180 - 4 CGAATGG
4725168,4725242,75
4725886,4726086,201
4726552,4726698,147
4727104,4727496,393
ID=NCLIV_066190 - 2 A..ATG
4731828,4732055,228,END:Starts:4731060-4731232-4731175-
4733528,4733812,285,START:Ends:4734811-4734776-4734763-
ID=NCLIV_066210 - 7 [CT]..ATG[ACT]
4739096,4739194,99,END:Starts:4736931-4736900-4738649-
4739956,4740414,459,EXACT,AG-GT
4740915,4741025,111,START: end 42 GT
4741515,4741730,216
4741917,4742080,164
4742278,4742430,153
4742773,4743346,574
ID=NCLIV_066220 - 9 A..ATG
4754179,4755229,1051,END:Starts:4753642-4754989-
4755812,4756805,994,EXACT,AG
4757162,4757531,370
4758275,4758415,141
4758841,4758940,100
4759458,4759489,32
4760110,4760180,71
4760634,4761737,1104,END: start 25 AG
4762419,4765410,2992,START:Ends:4763164-4762997-
ID=NCLIV_066260 - 5 A..ATG
4801190,4801582,393,OVER:Ends:4802107-4802845-
4801855,4801982,128,OVER: start -3035 and end 863 GT
4802384,4802702,319,OVER: start -3564 and end 143 GT
4804127,4804467,341
4804857,4804902,46
ID=NCLIV_066280 - 8 GTGATGC
4812937,4813046,110,END:Starts:4811636-4811798-4811797-
4813690,4813832,143,EXACT,AG-GT
4814487,4814678,192,EXACT,AG-GT
4815113,4815155,43,EXACT,AG-GT
4815449,4815548,100,EXACT,AG-GT
4816037,4816128,92,EXACT,AG-GT
4816314,4816412,99
4816698,4816710,13,START:Ends:4817985-4820108-
ID=NCLIV_066290 - 15 G..ATGG
4819562,4820108,547,END:Ends:4817985-4820108-

4820807,4820861,55,EXACT,AG-GT
4821291,4821332,42,EXACT,AG-GT
4822013,4822108,96,EXACT,AG-GT
4822551,4822887,337,EXACT,AG-GT
4823285,4823359,75,START: end 537 AG-GT
4823923,4823970,48,EXACT,AG-GT
4824323,4824768,446,START: end -21 GT
4825489,4825540,52,END: start 14 AG
4825962,4826684,723,START: end -336 GT
4826993,4827322,330,EXACT,AG-GT
4827717,4827762,46,START: end -15 GT
4827963,4828553,591,END: start -6 AG
4828941,4829002,62,EXACT,AG-GT
4829308,4829409,102,START:Ends:4830430-4830399-
ID=NCLIV_066310 - 4 A..ATG
4848555,4848572,18,END:Starts:4847750-4847760-4847741-
4848794,4849174,381,EXACT,AG-GT
4849459,4849923,465,EXACT,AG-GT
4850427,4850798,372,START:Ends:4851290-4851296-
ID=NCLIV_066320 - 4 GCCATGC
4854300,4854347,48,END:Starts:4853892-4853076-
4854774,4855817,1044,EXACT,GT
4856183,4860036,3854,EXACT,AG
4860443,4863299,2857
ID=NCLIV_066340 - 3 A..ATG
4876099,4880808,4710,END:Starts:4868514-4872473-4869956-
4881101,4881172,72,EXACT,AG-GT
4881693,4882061,369,START:Ends:4883404-4883374-4883461-
ID=NCLIV_066350 - 3 A..ATG
4886922,4886976,55,OVER:Starts:4886493-4886491-4886482-
4887383,4887696,314,END: start -892 AG (ref:AC-GT)<< Possible error
4888646,4888648,3,START:Ends:4888786-4888767-4888838-
ID=NCLIV_066390 - 1 A..ATG
4921928,4929673,7746
ID=NCLIV_066400 - 5 A..ATG
4935242,4935348,107,END:Starts:4934221-4934246-4934196-
4935796,4935874,79,EXACT,AG-GT
4936064,4936240,177,EXACT,AG-GT
4936684,4936833,150,START: end 102 AG-GT (ref:AC-GT)<< Possible error
4937423,4937905,483,START:Ends:4938821-4938776-4938874-
ID=NCLIV_066410 - 5 A..ATG
4941018,4941240,223,END:Starts:4940732-4940650-4940730-
4941842,4942182,341,EXACT,AG-GT
4942624,4942820,197,EXACT,AG-GT
4943371,4943449,79,EXACT,AG-GT
4943685,4943936,252,START:Ends:4944615-4944375-4944604-
ID=NCLIV_066420 - 2 A..ATG
4945975,4947393,1419
4947818,4947841,24
ID=NCLIV_066450 - 4 A..ATG
4958179,4958446,268,END:Starts:4958070-4958144-4957957-
4958915,4959008,94,EXACT,AG-GT
4959149,4960141,993,EXACT,AG-GT
4960393,4960543,151,START:Ends:4961274-4961516-
ID=NCLIV_066460 - 6 G..ATGG
4963330,4963461,132
4964068,4964173,106
4964547,4964789,243
4964930,4964995,66
4965216,4965340,125

4965948,4965959,12
ID=NCLIV_066470 - 2 [CT]..ATG[ACT]
4966563,4966758,196
4967632,4967645,14
ID=NCLIV_066490 - 7 A..ATG
4982108,4982193,86,END:Starts:4981158-4981056-
4982474,4982579,106,EXACT,AG-GT
4983128,4983193,66,EXACT,AG-GT
4983799,4983831,33,EXACT,AG-GT
4984155,4984228,74,START: end 72 GT
4984544,4984586,43
4985044,4985103,60
ID=NCLIV_066510 - 9 A..ATG
4993123,4993323,201
4993726,4993848,123
4994164,4994575,412
4995115,4997939,2825
4998604,4999554,951
5000023,5000187,165
5000615,5000865,251
5001361,5001532,172
5001982,5003262,1281
ID=NCLIV_066560 - 2 CCAATGG
5034658,5035245,588
5035730,5039770,4041
ID=NCLIV_066580 - 7 CAGAAGC
5047939,5048707,769,END:Starts:5044269-5047264-5047235-
5049230,5049443,214,EXACT,AG-GT
5049978,5050101,124,EXACT,AG-GT
5050598,5050688,91,START: end -10 GT
5051318,5052596,1279,END: start 9 AG (ref:AC-GT)<< Possible error
5053163,5053366,204,EXACT,AG-GT
5054055,5054715,661,START:Ends:5055324-5055419-
ID=NCLIV_066590 - 6 A..ATG
5056682,5056866,185,END:Starts:5055620-5056181-5056004-
5057300,5057406,107,EXACT,GT
5057706,5057923,218
5058717,5058877,161,EXACT,ATG:AG-GT
5059440,5059564,125,EXACT,AG-GT
5060398,5060963,566,START:EXACT
ID=NCLIV_066610 - 5 GAGATGA
5066251,5066434,184
5066930,5067405,476
5067631,5067875,245
5068064,5068613,550
5069004,5072660,3657
ID=NCLIV_066620 - 1 CACATGG
5076387,5077091,705
ID=NCLIV_066640 - 2 A..ATG
5082557,5082834,278,END:Starts:5082312-5082006-
5083507,5083516,10,START:Ends:5083704-5083803-5083709-
ID=NCLIV_066660 - 3 A..ATG
5091707,5092054,348
5092539,5093738,1200
5094654,5096873,2220
ID=NCLIV_066670 - 6 A..ATG
5099449,5099563,115,OVER:Starts:5098846-5098126-
5099998,5100092,95,START: end 251 GT
5100453,5101223,771,END: start 7 GC
5101400,5101657,258,EXACT,AG-GT

5102260,5102607,348,EXACT,AG-GT
5103821,5104843,1023,START:Ends:5104005-5105481-
ID=NCLIV_066700 - 3 A..ATG
5124434,5125120,687,END:Starts:5123946-5124378-5124366-
5125513,5126239,727,EXACT,AG-GT
5126590,5126813,224,START:Ends:5129136-5126891-5127397-
ID=NCLIV_066720 - 4 A..ATG
5137146,5137352,207,END:EXACT
5138007,5138117,111,EXACT,AG-GT
5138569,5138623,55,EXACT,AG-GT
5138917,5139065,149,START:Ends:5139960-5139794-5140098-
ID=NCLIV_066750 - 4 GAAATGA
5154483,5155225,743
5155636,5155714,79
5156370,5156842,473
5157267,5157381,115
ID=NCLIV_066760 - 3 A..ATG
5159581,5159935,355,END:EXACT
5160470,5160536,67,EXACT,AG-GT
5161404,5161497,94,START:Ends:5161672-5161626-5165499-
ID=NCLIV_066800 - 2 G..ATGG
5185568,5190377,4810,END:Starts:5189222-5187787-
5190739,5191787,1049,START:Ends:5191754-5190828-
ID=NCLIV_066820 - 7 A..ATG
5198314,5198373,60,END:Starts:5197888-5197889-5197874-
5198604,5198702,99,EXACT,AG-GT
5199129,5199183,55,EXACT,AG-GT
5199702,5199862,161,EXACT,AG-GT
5200465,5200569,105,EXACT,AG-GT
5200884,5201021,138,EXACT,AG-GT
5201596,5201781,186,START:EXACT
ID=NCLIV_066830 - 6 A..ATG
5205192,5206064,873,END:Starts:5203852-5203941-5205531-
5206583,5206771,189,EXACT,AG-GT
5207088,5208331,1244,EXACT,AG-GT
5208643,5209264,622,EXACT,AG-GT
5209623,5210137,515,EXACT,AG-GT
5210582,5210804,223,OVER:Ends:5212974-5213193-
ID=NCLIV_066840 - 6 A..ATG
5214957,5215031,75,END:Starts:5213749-5213691-5213679-
5215361,5215513,153,START: end 214 GT
5215972,5216328,357,END: start 7 AG (ref:AC-GT)<< Possible error
5216716,5217524,809,EXACT,AG-GT
5217755,5218263,509,EXACT,AG-GT
5219182,5219489,308,START:EXACT
ID=NCLIV_066860 - 2 GAGATGT
5223532,5223929,398,END:Starts:5220066-5222880-5222959-
5224337,5224913,577,OVER:Ends:5225318-5225417-5225471-
ID=NCLIV_066870 - 1 A..ATG
5228694,5229179,486,OVER:Starts:5227915-5228179-
ID=NCLIV_066880 - 7 [CT]..ATG[ACT]
5231788,5231955,168
5232426,5232601,176
5233108,5233408,301
5233888,5234031,144
5234310,5234594,285
5235120,5235400,281
5236154,5236982,829
ID=NCLIV_066920 - 7 A..ATG
5265705,5266034,330,END:Starts:5265352-5265472-5265375-

5266585,5266800,216,EXACT,AG-GT
5267312,5267393,82,EXACT,AG-GT
5268162,5268319,158,EXACT,AG-GT
5268715,5268915,201,EXACT,AG-GT
5269804,5269983,180,EXACT,AG-GT
5270359,5270484,126,START:Ends:5271055-5271058-
ID=NCLIV_066930 - 9 A..ATG
5274446,5274492,47
5274698,5275315,618,EXACT,AG-GT
5275638,5275710,73,EXACT,ATG to TAGITGAITAA:AG-GT
5276410,5276468,59,EXACT,AG-GT
5277225,5277294,70,EXACT,AG-GT
5277919,5279790,1872,START: end -1121 AG-GT
5280251,5280806,556,START: end -120 AG-GT
5281327,5281385,59,EXACT,AG-GT
5281541,5283361,1821,START:Ends:5283213-5284088-
ID=NCLIV_066950 - 1 A..ATG
5289598,5290179,582
ID=NCLIV_066960 - 6 A..ATG
5292435,5292544,110
5292896,5293396,501,EXACT,AG-GT
5293687,5294003,317,EXACT,AG-GT
5294389,5295335,947,START: end 36 GT
5296082,5296570,489
5297832,5297921,90
ID=NCLIV_067000 - 1 A..ATG
5314121,5315593,1473
ID=NCLIV_067010 - 5 A..ATG
5318543,5318590,48,END:Starts:5318237-5318231-5318107-
5319051,5319171,121,EXACT,AG-GT
5319613,5319703,91,EXACT,AG-GT
5320139,5320298,160,EXACT,AG-GT
5320874,5321458,585,START:Ends:5321801-5321782-5321824-
ID=NCLIV_067020 - 1 CCCATGG
5323188,5324210,1023
ID=NCLIV_067030 - 9 A..ATG
5324977,5325742,766,END:Starts:5324407-5323993-5323805-
5326222,5326387,166,EXACT,AG-GT
5326761,5326883,123,EXACT,AG-GT
5327286,5327426,141,EXACT,AG-GT
5327808,5327897,90,EXACT,AG-GT
5328213,5328324,112,EXACT,GT
5328483,5328642,160,EXACT,AG
5328818,5328859,42,START: end -1 GT
5329026,5330872,1847
ID=NCLIV_067040 - 3 G..ATGG
5333525,5333700,176
5334137,5334910,774
5335163,5335748,586
ID=NCLIV_067050 - 3 TCCATGG
5337847,5338073,227,END:Starts:5337431-5337465-
5338420,5339163,744,START: end -440 GT
5339448,5340108,661
ID=NCLIV_067090 - 5 G..ATGG
5370045,5370155,111,END:Starts:5369492-5369493-5369517-
5370518,5370596,79,START: end 377 AG-GT
5371054,5371312,259
5371660,5371799,140
5372494,5373014,521
ID=NCLIV_067110 - 4 G..ATGG

5382460,5382497,38,END:Starts:5381900-5381886-5381380-
5383297,5383441,145,EXACT,AG-GT
5383821,5384440,620,EXACT,AG-GT
5384967,5385909,943,START:EXACT
ID=NCLIV_067130 - 1 A..ATG
5399009,5401018,2010
ID=NCLIV_067150 - 6 A..ATG
5418130,5419029,900
5420717,5420820,104
5421157,5421229,73
5421664,5421710,47
5422215,5422285,71
5422879,5422934,56
ID=NCLIV_067210 - 5 G..ATGG
5463751,5464203,453
5464499,5464581,83,EXACT,AG-GT
5465066,5467831,2766,EXACT,AG-GT
5468103,5469386,1284,START: end 3407 GT
5469863,5470781,919,OVER:Ends:5471488-5472793-
ID=NCLIV_067230 - 6 G..ATGG
5483004,5483369,366,END:Starts:5481920-5481866-5481911-
5483897,5483972,76,EXACT,AG-GT
5484396,5484591,196,EXACT,AG-GT
5484978,5485254,277,START: end 5 GT
5485462,5485529,68,END: start 1 AG (ref:AC-GT)<< Possible error
5486048,5487368,1321,START:Ends:5488608-5488566-5488666-
ID=NCLIV_067240 - 1 [CT]..ATG[ACT]
5493406,5496792,3387,WITHIN:Ends:5495860-5494991-
ID=NCLIV_067260 - 5 CCTATGG
5500565,5500934,370
5501225,5501364,140
5501726,5501907,182
5502417,5502910,494
5503511,5504016,506
ID=NCLIV_067280 - 1 A..ATG
5513932,5515905,1974
ID=NCLIV_067300 - 2 [CT]..ATG[ACT]
5523075,5523635,561,END:Starts:5522698-5522670-5522665-
5523764,5524546,783,START:Ends:5525099-5525048-5525069-
ID=NCLIV_067310 - 11 CTGATGG
5527004,5527072,69
5527139,5527178,40
5527286,5527319,34
5527373,5527422,50
5527478,5527495,18
5527557,5527596,40
5527656,5527716,61
5527773,5527832,60
5527891,5527953,63
5528013,5528022,10
5528087,5528271,185
ID=NCLIV_067320 - 5 [CT]..ATG[ACT]
5529091,5529194,104
5529964,5530089,126
5530188,5530502,315
5530980,5531036,57
5531112,5531220,109
ID=NCLIV_067330 - 6 [CT]..ATG[ACT]
5533366,5533662,297,END:Starts:5532631-5532668-5532678-
5534249,5534401,153,EXACT,AG-GT

5534631,5534744,114,START: end -3 AG-GT (ref:AC-GT)<< Possible error
5535209,5535346,138,EXACT,AG-GT
5535717,5535881,165,EXACT,AG-GT
5536378,5536524,147,START:Ends:5536912-5536762-5536916-
ID=NCLIV_067340 - 3 TCAATGG
5538784,5539087,304
5539640,5540575,936
5541158,5543829,2672
ID=NCLIV_067360 - 14 A..ATG
5562636,5565505,2870,END:Starts:5561599-5561628-
5565797,5566222,426,EXACT,GT
5566596,5566895,300
5567497,5567551,55,START: end 335 AG
5567770,5567886,117,END: start -273 AG
5568274,5568493,220,EXACT,AG-GT
5568799,5568977,179,EXACT,AG-GT
5569292,5569414,123,EXACT,AG-GT
5569635,5569694,60,EXACT,AG
5569937,5570116,180,EXACT,AG-GT
5570560,5570649,90,EXACT,AG-GT
5571061,5571455,395,EXACT,AG-GT
5571990,5572225,236,EXACT,AG
5572475,5572491,17,START:Ends:5573833-5572744-
ID=NCLIV_067370 - 4 G..ATGG
5579784,5579906,123,END:EXACT
5580462,5580583,122,EXACT,AG-GT
5580836,5580942,107,EXACT,AG-GT
5581405,5581427,23
ID=NCLIV_067380 - 4 CAAATGG
5581517,5581585,69,END:EXACT
5582112,5582175,64,EXACT,AG-GT
5582523,5583996,1474,EXACT,AG-GT
5584554,5585088,535,START:Ends:5585618-5585572-
ID=NCLIV_067420 - 2 A..ATG
5604062,5604090,29,END:Starts:5603175-5603181-5603088-
5604961,5605027,67,START:Ends:5605888-5605914-5605877-
ID=NCLIV_067430 - 1 [CT]..ATG[ACT]
5608136,5609914,1779
ID=NCLIV_067450 - 11 A..ATG
5615604,5615635,32,OVER:Starts:5615321-5615454-5615330-
5616025,5616112,88,EXACT,ATG:AG-GT
5616225,5616395,171,EXACT,AG-GT
5616723,5617181,459,EXACT,AG-GT
5617332,5617490,159,EXACT,AG-GT
5618304,5618546,243,EXACT,AG-GT
5618945,5619136,192,EXACT,AG-GT
5619499,5619559,61,EXACT,AG-GT
5619924,5620217,294,EXACT,AG-GT
5620897,5623592,2696,START: end -49 GT
5624101,5627175,3075
ID=NCLIV_067460 - 2 A..ATG
5629109,5629229,121,END:Starts:5628548-5628405-5628594-
5629664,5629938,275,START:Ends:5630889-5630820-5630866-
ID=NCLIV_067510 - 9 A..ATG
5669814,5669869,56,END:Starts:5669538-5669545-5669588-
5670184,5670283,100,EXACT,AG-GT
5670774,5670855,82,START: end 110 GT
5671527,5671625,99
5671999,5672051,53
5672723,5672785,63

5673304,5673435,132
 5673818,5674029,212
 5674913,5674985,73
 ID=NCLIV_067530 - 1 [CT]..ATG[ACT]
 5682723,5683154,432
 ID=NCLIV_067560 - 1 G..ATGG
 5707182,5708249,1068
 ID=NCLIV_067570 - 1 A..ATG
 5710012,5711073,1062
 ID=NCLIV_067580 - 1 A..ATG
 5712030,5713232,1203
 ID=NCLIV_067590 - 1 G..ATGG
 5714816,5715853,1038
 ID=NCLIV_067600 - 1 [CT]..ATG[ACT]
 5717394,5718587,1194
 ID=NCLIV_067610 - 1 G..ATGG
 5720245,5721303,1059
 ID=NCLIV_067620 - 1 A..ATG
 5723099,5724184,1086
 ID=NCLIV_067630 - 1 A..ATG
 5725967,5727022,1056
 ID=NCLIV_067640 - 1 A..ATG
 5728783,5729871,1089
 ID=NCLIV_067650 - 1 G..ATGG
 5731387,5732478,1092
 ID=NCLIV_067660 - 1 G..ATGG
 5734309,5735505,1197
 ID=NCLIV_067670 - 1 G..ATGG
 5737335,5738531,1197
 ID=NCLIV_067680 - 1 G..ATGG
 5740373,5741569,1197
 ID=NCLIV_067690 - 1 A..ATG
 5743404,5744489,1086
 ID=NCLIV_067700 - 1 G..ATGG
 5746190,5747275,1086
 ID=NCLIV_067710 - 1 A..ATG
 5749058,5750149,1092
 ID=NCLIV_067720 - 1 G..ATGG
 5751772,5752848,1077
 ID=NCLIV_067730 - 1 G..ATGG
 5754632,5755723,1092
 ID=NCLIV_067740 - 4 A..ATG
 5758286,5759619,1334,END:Starts:5757947-5757932-
 5759936,5760199,264,START: end 92 GT
 5760421,5760637,217
 5761024,5761374,351
 ID=NCLIV_067750 - 9 G..ATGG
 5767747,5769332,1586
 5769709,5770325,617
 5770499,5772334,1836,END: start 1251 AG
 5772664,5773319,656,START: end -321 GT
 5773623,5774405,783
 5774919,5775119,201
 5775491,5775722,232
 5776313,5776548,236
 5777450,5778793,1344
 ID=NCLIV_067780 - 2 CGAATGG
 5804323,5804905,583,END:Starts:5804330-5804349-5804333-
 5805229,5806397,1169,START:Ends:5806901-5805370-5807423-
 ID=NCLIV_067800 - 17 A..ATG

5811403,5813492,2090,END:Starts:5810746-5810736-5810547-
 5814109,5814265,157,EXACT,TAG|TGAI|TAA:AG-GT
 5814666,5814830,165,EXACT,AG-GT
 5815284,5815429,146,EXACT,AG-GT
 5815909,5817545,1637,EXACT,AG-GT
 5818044,5818153,110,EXACT,AG-GT
 5818558,5819151,594,EXACT,AG-GT
 5819535,5819744,210,EXACT,AG-GT
 5820263,5822340,2078,START: end -6 GT
 5822832,5823803,972,OVER: start -1 and end 369 AG (ref:AC-GT)<< Possible error
 5824557,5824739,183,EXACT,ATG:AG-GT
 5825048,5825161,114,EXACT,AG-GT
 5825519,5826532,1014,EXACT,AG-GT
 5827020,5831853,4834,START: end -4025 GT
 5832264,5833940,1677,START: end -750 AG
 5834865,5835073,209,END: start -2 AG-GT
 5835455,5835518,64,START:Ends:5838461-5839379-
 ID=NCLIV_067810 - 1 A..ATG
 5838438,5839646,1209
 ID=NCLIV_067820 - 1 A..ATG
 5841507,5843144,1638
 ID=NCLIV_067840 - 5 G..ATGG
 5847413,5847606,194
 5847668,5847716,49
 5847776,5847986,211
 5848048,5848124,77
 5848194,5848202,9
 ID=NCLIV_067850 - 5 A..ATG
 5848598,5848765,168
 5848824,5848862,39
 5848924,5848992,69
 5849053,5849140,88
 5849204,5849361,158
 ID=NCLIV_067860 - 14 A..ATG
 5851455,5851532,78,END:Starts:5851311-5851283-5851222-
 5851671,5851730,60,START: end 1 Info:ATG:AG-GT-AG-GT-acceptor=CA-
 5851861,5852145,285,EXACT,AG-GT
 5852592,5852749,158,EXACT,AG-GT
 5853023,5853093,71,START: end 3 GT (ref:AC-GT)<< Possible error
 5853202,5853251,50,EXACT,ATG:AG-GT
 5853368,5853822,455,EXACT,AG-GT
 5853983,5855018,1036,EXACT,AG-GT
 5855196,5855438,243,EXACT,AG-GT
 5855855,5856023,169,EXACT,AG-GT
 5856368,5856470,103,END: start 9 AG-GT (ref:AC-GT)<< Possible error
 5856667,5857258,592,EXACT,AG-GT
 5857608,5857755,148,EXACT,AG-GT
 5858025,5859256,1232,START:Ends:5860084-5860088-
 ID=NCLIV_067880 - 26 A..ATG
 5865287,5865467,181
 5866023,5866174,152
 5866293,5866454,162
 5866649,5866827,179
 5867174,5867371,198
 5868954,5869309,356
 5870117,5871396,1280
 5871713,5871871,159
 5872254,5872362,109
 5872800,5873020,221
 5873216,5873336,121

5873698,5873956,259
5874283,5874541,259
5874801,5874959,159
5875120,5875243,124
5876019,5876050,32
5876103,5876286,184
5877448,5877530,83
5878176,5878397,222
5878646,5878833,188
5879054,5879293,240
5879773,5879878,106
5880324,5880660,337
5881081,5881318,238
5881888,5882269,382
5882519,5882854,336
ID=NCLIV_067970 - 18 A..ATG
5903758,5903817,60,END:Starts:5903150-5903139-5903137-
5904340,5904771,432,EXACT,AG-GT
5905129,5905296,168,EXACT,AG-GT
5905724,5906130,407,EXACT,GT
5906915,5907041,127
5907732,5907794,63
5907861,5907995,135
5908497,5908586,90
5909086,5909170,85
5909887,5910462,576
5911330,5911469,140
5912066,5912150,85
5912528,5912610,83
5913115,5913180,66
5913734,5913811,78
5914608,5914666,59
5915014,5915252,239
5916051,5916301,251
ID=NCLIV_067980 - 9 A..ATG
5919289,5919321,33,END:Starts:5918814-5919012-5918816-
5919675,5919718,44,EXACT,AG-GT
5920545,5920600,56,EXACT,AG-GT
5921308,5921374,67,EXACT,TAG|TGA|TAA:AG-GT
5921760,5921832,73,EXACT,AG-GT
5922023,5922150,128,EXACT,AG-GT
5922801,5922899,99,EXACT,AG-GT
5923430,5923541,112,EXACT,AG-GT
5924697,5924828,132,START:Ends:5925364-5925358-5925393-
ID=NCLIV_068010 - 8 G..ATGG
5944838,5945387,550,END:Starts:5944700-5944870-
5945576,5945993,418,START: end -120 GT
5946352,5946625,274
5947299,5949692,2394
5950148,5950603,456
5951055,5951147,93
5951719,5951835,117
5952315,5953019,705
ID=NCLIV_068020 - 1 A..ATG
5956144,5957553,1410
ID=NCLIV_068040 - 11 A..ATG
5962148,5962206,59,END:Starts:5961109-5961153-5960966-
5962714,5962821,108,EXACT,AG-GT
5963387,5963439,53,EXACT,AG-GT
5964073,5964121,49,EXACT,AG-GT

5964499,5964561,63,EXACT,AG-GT
 5964768,5964820,53,EXACT,AG-GT
 5965002,5965027,26,EXACT,AG-GT
 5965438,5965514,77,EXACT,AG-GT
 5966111,5966144,34,EXACT,AG-GT
 5966720,5966819,100,EXACT,AG-GT
 5967470,5967561,92,START:EXACT
 ID=NCLIV_068060 - 11 A..ATG
 5976782,5976930,149,END:Starts:5976070-5975988-5975983-
 5977157,5977248,92,START: end 7 GT
 5977896,5978053,158
 5978198,5978941,744
 5979143,5980417,1275
 5980686,5980754,69
 5981126,5981225,100
 5981509,5981603,95
 5981864,5982088,225
 5982437,5984774,2338
 5985268,5988731,3464
 ID=NCLIV_068070 - 25 A..ATG
 5991073,5991233,161
 5991851,5991980,130
 5992557,5992771,215
 5993064,5993202,139
 5993829,5994083,255
 5994543,5994680,138
 5994999,5995125,127
 5996206,5996268,63
 5996697,5996843,147
 5997482,5997678,197
 5998260,5998436,177
 5999092,5999285,194
 5999717,5999874,158
 6000303,6000601,299
 6001069,6001309,241
 6001628,6002430,803
 6003730,6003946,217
 6004145,6004357,213
 6004655,6004798,144
 6005233,6005336,104
 6006301,6006519,219
 6007229,6007686,458
 6008079,6008360,282
 6010655,6010711,57
 6010828,6010921,94
 ID=NCLIV_068080 - 1 A..ATG
 6012231,6012383,153
 ID=NCLIV_068100 - 2 G..ATGG
 6022012,6022445,434
 6022599,6022626,28
 ID=NCLIV_068120 - 1 GAGATGA
 6034388,6035140,753
 ID=NCLIV_068140 - 11 G..ATGG
 6043673,6043808,136
 6044318,6044390,73
 6044753,6044960,208
 6045591,6045670,80
 6046155,6046246,92
 6046788,6046867,80
 6047169,6047363,195

6048000,6048239,240
6048920,6049817,898
6049895,6050391,497
6051333,6051485,153
ID=NCLIV_068160 - 8 G..ATGG
6059428,6059472,45,END:Starts:6056690-6059264-6056856-
6060125,6060190,66,EXACT,ATG:AG-GT
6060569,6060629,61,EXACT,AG-GT
6060769,6060806,38,START: end 20 ATG:AG-GT (ref:AC-GT)<< Possible error
6062350,6062453,104,END: start 2 AG (ref:AC-GT)<< Possible error
6062688,6062789,102,EXACT,AG-GT
6063150,6063310,161,EXACT,AG-GT
6063885,6064021,137,START:Ends:6065480-6065663-6065481-
ID=NCLIV_068180 - 5 A..ATG
6072904,6072988,85
6073244,6073347,104
6073953,6073995,43
6074550,6074691,142
6075298,6075460,163
ID=NCLIV_068190 - 9 GCGATGC
6082205,6083755,1551,END:Starts:6081398-6081773-6079214-
6084230,6084364,135,EXACT,AG-GT
6084831,6084914,84,EXACT,AG-GT
6085280,6085468,189,EXACT,AG-GT
6085738,6085929,192,EXACT,AG-GT
6086409,6086618,210,EXACT,AG-GT
6086953,6087220,268,EXACT,AG-GT
6087432,6088252,821,START: end -568 AG-GT
6088632,6089261,630,START:Starts:6088632-
ID=NCLIV_068200 - 5 A..ATG
6095985,6096803,819,END:Starts:6088632-
6097253,6099524,2272,EXACT,AG-GT
6100149,6100237,89,EXACT,AG-GT
6100737,6101131,395,START: end 854 GT
6102747,6102807,61
ID=NCLIV_068220 - 3 GAAATGT
6115040,6117431,2392
6118222,6118322,101,EXACT,AG-GT
6118669,6121197,2529,START:Ends:6123326-6121292-6122329-
ID=NCLIV_068240 - 7 A..ATG
6129527,6129568,42,END:Starts:6123310-6123395-6129043-
6130259,6130803,545,START: end 776 AG-GT
6130895,6131579,685,END: start -636 AG-GT
6132130,6132312,183,START: end 312 AG-GT
6132945,6133090,146,EXACT,AG-GT
6133241,6133334,94,EXACT,AG-GT
6133584,6133928,345,START:Ends:6135310-6135198-6135293-
ID=NCLIV_068250 - 2 A..ATG
6137232,6137384,153,END:Starts:6136405-6136387-6136152-
6137848,6138033,186,START:Ends:6138557-6138503-6142189-
ID=NCLIV_068270 - 2 TCGATGG
6146934,6147216,283,END:Starts:6146215-6146302-6146334-
6147641,6147891,251,START:Ends:6148007-6148002-6148019-
ID=NCLIV_068280 - 6 A..ATG
6150601,6150724,124,END:Starts:6149547-6150116-6150093-
6151318,6151423,106,START: end 984 AG-GT
6152022,6152407,386,END: start -704 AG-GT
6152834,6153451,618
6154196,6154310,115
6154561,6155125,565

ID=NCLIV_068290 - 1 A..ATG
 6157054,6158814,1761
 ID=NCLIV_068300 - 9 G..ATGG
 6160942,6161033,92,END:Starts:6160290-6160198-
 6161557,6161677,121,EXACT,AG-GT
 6161887,6161943,57,EXACT,AG-GT
 6162124,6162177,54,EXACT,GT
 6162551,6162631,81
 6163460,6163546,87
 6164021,6164169,149
 6164509,6164725,217,END: start 52 AG
 6164884,6165615,732,START:Ends:6166086-6165838-
 ID=NCLIV_068330 - 1 A..ATG
 6183492,6183965,474
 ID=NCLIV_068350 - 2 [CT]..ATG[ACT]
 6190583,6190683,101
 6191280,6196200,4921
 ID=NCLIV_068370 - 19 [CT]..ATG[ACT]
 6210976,6211036,61,END:EXACT
 6211500,6211561,62,EXACT,AG-GT
 6212095,6212235,141,EXACT,AG-GT
 6212347,6212428,82,EXACT,AG-GT
 6212857,6212921,65,EXACT,AG-GT
 6213193,6213245,53,EXACT,AG-GT
 6213690,6213808,119,END: start 18 AG-GC (ref:AC-GT)<< Possible error
 6214211,6214341,131,EXACT,AG-GT
 6215012,6215119,108,EXACT,AG-GT
 6215468,6215518,51,EXACT,AG-GT
 6215935,6216033,99,EXACT,AG-GT
 6216599,6216815,217,EXACT,AG-GT
 6217193,6217272,80,EXACT,AG-GT
 6217815,6217894,80,EXACT,AG-GT
 6218316,6218448,133,EXACT,AG-GT
 6219008,6219097,90,EXACT,AG-GT
 6219645,6219705,61,EXACT,AG-GT
 6219990,6220180,191,EXACT,AG-GT
 6220562,6220792,231,START:Ends:6222735-6222637-6222603-
 ID=NCLIV_068390 - 2 GACATGC
 6230181,6234737,4557
 6235239,6236060,822
 ID=NCLIV_068410 - 5 GGAATGA
 6243091,6243427,337
 6243759,6244816,1058
 6245528,6245869,342
 6246610,6247292,683
 6247683,6249810,2128
 ID=NCLIV_068450 - 11 A..ATG
 6279314,6279470,157,END:Starts:6277511-6278050-6278007-
 6279992,6280040,49,EXACT,TAG|TGA|TAA:AG-GT
 6280485,6280627,143,EXACT,AG-GT
 6280951,6281021,71,EXACT,AG-GT
 6281419,6281527,109,EXACT,AG-GT
 6282119,6282206,88,EXACT,AG-GT
 6282576,6282791,216,START: end -165 AG-GT (ref:AC-GT)<< Possible error
 6282890,6282936,47,EXACT,AG-GT
 6283397,6283507,111,EXACT,AG-GT
 6283824,6283947,124,EXACT,AG-GT
 6284261,6284426,166,START:Ends:6284656-6284733-6284589-
 ID=NCLIV_068470 - 6 GGAATGC
 6291770,6292106,337

6292438,6293492,1055
 6294204,6294545,342
 6295322,6296004,683
 6296395,6297314,920
 6297413,6298005,593
 ID=NCLIV_068490 - 2 GAAATGA
 6306538,6306998,461
 6307211,6308777,1567
 ID=NCLIV_068510 - 7 [CT]..ATG[ACT]
 6317653,6317714,62,END:Starts:6316956-6316929-6316969-
 6318184,6318235,52,EXACT,AG-GT
 6318823,6318882,60,EXACT,AG-GT
 6319212,6319337,126,EXACT,AG-GT
 6319857,6319945,89,EXACT,AG-GT
 6320365,6320567,203,EXACT,AG-GT
 6321488,6323643,2156,START:Ends:6327624-6324743-6324756-
 ID=NCLIV_068520 - 4 [CT]..ATG[ACT]
 6326930,6326970,41,OVER:Starts:6327471-6324888-
 6327471,6327624,154,END: start -2583 Info:AG-GT-AG-GC-
 6328173,6328288,116,EXACT,AG-GC
 6328757,6328988,232,START:Ends:6329589-6328879-6329613-
 ID=NCLIV_068540 - 6 CCCATGG
 6344512,6346962,2451,END:Starts:6342217-6346364-
 6347360,6347548,189,START: end 147 AG-GT (ref:AC-GT)<< Possible error
 6348040,6348267,228,START: end -24 GT
 6348866,6349113,248,END: start -2 AG (ref:AC-GT)<< Possible error
 6349599,6350229,631,START: end 2 GT
 6350455,6351357,903
 ID=NCLIV_068560 - 16 CTCATGG
 6363435,6363651,217,END:Starts:6363109-6362906-6363036-
 6364177,6364691,515,EXACT,AG-GT
 6364951,6365370,420,EXACT,AG-GT
 6366118,6366429,312,EXACT,AG-GT
 6367317,6367433,117,EXACT,AG-GT
 6368011,6368121,111,EXACT,AG-GT
 6369051,6369650,600,EXACT,AG-GT
 6369866,6370550,685,START: end -63 AG-GT
 6371124,6371656,533,EXACT,AG-GT
 6372342,6372739,398,EXACT,AG-GT
 6373415,6373542,128,EXACT,AG-GT
 6374147,6375408,1262
 6375864,6375960,97
 6376513,6376758,246
 6377077,6377535,459,END: start 17 AG
 6377776,6379340,1565,START:Ends:6386422-6386299-
 ID=NCLIV_068580 - 10 CCAATGG
 6387494,6387653,160,END:Starts:6386615-6386655-6386688-
 6387832,6388038,207,EXACT,AG-GT
 6388542,6388794,253,START: end 808 AG-GT
 6389344,6389602,259,END: start -802 AG-GT
 6390220,6390285,66,EXACT,AG-GT
 6390609,6390909,301,EXACT,AG-GT
 6391449,6391741,293,EXACT,AG-GT
 6392238,6392447,210,EXACT,AG-GT
 6392682,6392721,40
 6393069,6393091,23,START:EXACT
 ID=NCLIV_068600 - 3 A..ATG
 6402041,6406385,4345
 6407024,6407682,659
 6408551,6408799,249

ID=NCLIV_068640 - 9 A..ATG
6425337,6425440,104,END:Starts:6416445-6420987-6421092-
6425667,6425759,93,EXACT,AG-GT
6425940,6426065,126,START: end 5 AG-GT
6426456,6426567,112,START: end 798 AG-GT (ref:AC-GT)<< Possible error
6427226,6427365,140,END: start -770 AG-GT (ref:AC-GT)<< Possible error
6427730,6427810,81,EXACT,AG-GT
6428422,6428517,96,EXACT,AG-GT
6429336,6429543,208,EXACT,AG-GT
6430360,6431115,756,START:Ends:6432082-6432043-6432102-
ID=NCLIV_068670 - 10 A..ATG
6449909,6450067,159,END:Starts:6449144-6449339-6449305-
6450855,6450990,136,EXACT,AG-GT
6451466,6451599,134,EXACT,AG-GT
6452129,6452241,113,EXACT,AG-GT
6452647,6452995,349,EXACT,TAG|TGAI|TAA:AG-GT
6453321,6453818,498,EXACT,AG-GT
6454310,6454548,239,EXACT,AG-GT
6455046,6455331,286,START: end 94 GT
6455718,6455842,125
6455972,6457319,1348
ID=NCLIV_068680 - 1 A..ATG
6460971,6461540,570
ID=NCLIV_068700 - 1 A..ATG
6466119,6466433,315,OVER:Ends:6466584-6466696-
ID=NCLIV_068710 - 2 [CT]..ATG[ACT]
6468737,6469222,486
6469546,6469740,195